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The Flora of the Lushai Hills

(Reprinted from "The Records of the Botanical Survey of India")

By

Cecil E. C. Fischer, I. F. S.

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Tribal Research Institute
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Dr. (Mrs) N. Chatterji
Senior Research Officer

THE FLORA OF THE LUSHAI HILLS

PRIOR to 1926 the Lushai Hills, including the Lakher Country had received but scant attention from botanists ; indeed, the only record of botanical observations in this tract that I have been able to trace is by Lieut. (now Col.) A. T. Gage, I.M.S., being an account of "A Botanical Tour in the South Lushai Hills", published in No. 13 of Vol. I of the Records of the Botanical Survey of India in 1901. This journey occupied about five weeks in March and April 1899 and collections were made while on the march from Chittagong to Lungleh and back and within a radius of 15 miles of Lungleh. The number of species collected was 317, of which 291 were Phanerogams and 26 Cryptogams.

From 1924 to 1928 Mrs. N. E. Parry enthusiastically embraced the opportunity afforded to her while her husband was in administrative charge of the Lushai Hills District to make a collection of the plants of the region. Some of these were sent to the Sibpur Herbarium but the majority were remitted to the Royal Botanic Garden at Kew, where, also, some, notably orchids, have been successfully grown from roots and seeds presented at the same time.

From 1926 to 1932 the Reverend W. J. L. Wenger of the Baptist Mission at Lungleh, also collected in these hills. He too presented some of his specimens to Sibpur but sent the greater number to Kew. In this case also some of the plants have been grown in the Kew Gardens.

In addition, smaller collections made by the Reverend R. A. Lorrain of the Pioneer Mission to the Lakhers at Sherkor, and by his daughter Mrs. Lorrain-Foxall, were presented to Kew.

Finally, a very few species not included in the above-mentioned gatherings have been cited in literature as having been found in the region.

All these sources have been drawn upon in the compilation of the appended list. I have not seen the specimens collected by Lieut. Gage ; the information concerning them has been extracted from his paper quoted above. Those sent by Mrs. Parry to Sibpur and identified there, I have also not seen ; they are included from a list kindly sent to me by Mr. C. C. Calder, Director of the Botanical Survey of India. They are distinguished in the list by an asterisk. Mr. Wenger's collections were made in the South Lushai Hills. Those he sent to Sibpur were kindly lent to me for examination and appear in the list with a prefixed "C". The Lorrain specimens are all from the Lakher country in the vicinity of Sherkor.

An absorbing account of the Lakher country and its inhabitants has been published by Mr. N. E Parry, I C S , under the title of "The Lakhers". In Appendix VII of that work there is a list of the plants known at the time to occur in the whole Lushai Hills District which comprises 930 species and in addition a few other plants not specifically determined. It includes some 50 species that do not appear in any of the above-mentioned sources ; apparently they were named at Sibpur but were not included in the list sent to me. They now find place in the general list and are to be recognised by the addition of "Parry L."

It is not, of course, claimed that anything like a full flora of the region is enumerated here, but it is thought that a published list will be of material assistance to botanists and others interested in the area, and it is hoped that it may stimulate residents in the region to make further botanical researches there.

The following list includes 1,360 species of which 892 are Dicotyledons, 307 Monocotyledons, 6 Gymnosperms and 155 Cryptogams. Eighteen of the plants collected by Mrs. Parry and 7 of those received from Mr. Wenger proved new to science.

The following families are the best represented, the figures in brackets after each denote the actual number of species :—

Acanthaceæ and Compositæ (57); Orchidaceæ (54); Rubiaceæ (53); Papilionaceæ (42); [Leguminosæ 68].

The Gramineæ (39) were rather neglected or they would occupy a far more prominent position.

The genera with more than 12 species are :—

Dendrobium (29) Strobilanthes (20) Polypodium (18); Begonia (16); Dryopteris (15); Cœlogyne (14); Ficus (13).

My thanks are tendered to the following of my colleagues in the Kew Herbarium who named the specimens of the sections noted against their names below :—

Mr. F. Ballard—some of the Cryptogams and some of the Gramineæ ; and for much assistance in the nomenclature of the Cryptogams.

Mr. C. E. Hubbard—most of the Gramineæ.

Dr. J. Hutchinson—the Rhododendrons.

Mr. V. Summerhayes—the Orchidaceæ.

Mr. C. H. Wright—the rest of the Cryptogams.

I am also obliged to Mr. C. C. Calder and his assistants at Sibpur for their help.

PHANEROGAMIA.

DICOTYLEDONES.

Thalamiflorœ.

I. Ranunculaceae.

1. **Clematis acuminata** DC.
   Parry 534, Siata 4,000 ft., flowers Jan., pure white ; **Lushai name** *Hruipawnro.*
2. **Clematis acutangula** Hook. f. et T.
   Parry 377, N. Vanlaiphai 5,000 ft., flowers Nov., pink ; Parry 561, Phongpui 6,000 ft., fruit Jan.

3*. **Clematis Buchananiana** DC.

4. **Clematis Gouriana** Roxb.
   Parry 372, N. Vanlaiphai 5,000 ft., flowers Nov., cream.
5. **Clematis grewiæfolia** DC.
   Parry 382, N. Vanlaiphai 5,000 ft., flowers Nov., cream ; Gage 29, Lungleh 3,000 ft., fruit April.

6*. **Clematis smilacifolia** Wall.

7. **Clematis tortuosa** Wall.
   Parry 500, Vombuk 5,000 ft, flowers Jan., cream; **Lushai name** *Hrulpanruang*.
8. **Ranunculus hirtellus** Royle
   Parry 243, N. Vanlaiphai 5,000 ft, flowers and fruit July.
9*. **Ranunculus pennsylvanicus** Linn.
10*. **Thalictrum punduanum** Wall.
   Lushai name *Hrat*.
11. **Thalictrum rotundifolium** DC.
   Parry 17, Sialsuk 5,000 ft, flowers July, "On moist stony cliffs".

II. Dilleniaceæ.

12*. **Dillenia indica** Linn.
   Lushai name *Kawrthinceng*.
13. **Dillenia pentagyna** Roxb.
   Parry 213, Kawthlir 4,000 ft., flowers May; Parry 513, Mawmang Tlang 5,000 ft; **Lushai name** *Kaizawl*.

III. Magnoliaceæ.

14. **Kadsura Roxburghiana** Arn.
   Parry 426, Sialsuk 5,000 ft., Fruit Dec., red; **Lushai name** *Theiarbawm*, **Lakher name** *Theiawbeupa*.
15. **Michelia Champaca** Linn.
   Parry L
16. **Michelia Doldsopa** Ham.
   Parry 144, Phongpui 6,000 ft., flowers Feb., cream, very fragrant.
17. **Michelia oblonga** Wall.
   Wenger without number, S. Lushai; **Lakher name** *Ngiau*.
18. **Schizandra propinqua** Hook. f. et T.
   Parry 296, Hmuifang 5,000 ft., flowers Aug., dull cream.
19. **Talauma Hodgsoni** Hook. f. et T.
   Parry 361, Kawthlir 2,000 ft., fruit Oct.; **Lushai name** *Thingtumbu*.
20*. **Talauma Rabaniana** Hook. f. et T.
   Lushai name *Thingtumbu*.

IV. Anonaceæ.

21*. **Cyathocalyx martabanicus** Hook. f. et T.
Lushai name *Hreirawt*.

22. **Dasymaschalon longiflorum** Fin. et Gagnep.
Parry 177, Selengkawn 2,000 ft., flowersApril, dull claret; Parry 396, Kawthlir 3,000 ft., fruit Oct. ; Parry 657a, Aijal 3000 ft.

23*. **Desmos chinensis** Lour.

24. **Desmos dumosus** Saff.
Wenger 217, S..Lushai 3,000 ft., flowers Aug. ; "in open forest".

25. **Goniothalamus sesquipedalis** Hook. f. et T.
Gage 95, Lungleh 3,700 ft.

26*. **Miliusa Roxburghiana** Hook. f. et T.

27*. **Polyalthia simiarum** Benth. et Hook. f.
Lushai name *Hreirawt*, **Lakher name** *Theimieumaw*.

V. Menispermaceæ.

28*. **Cissampelos Pareira** Linn.

29. **Lophophyllum bicristatum** Griff.
Gage 43, Lungleh 3,000 ft., fruit April.

30. **Pericampylus incanus** Miers
Gage 58, Lungleh 3,000 ft., flowers April.

31. **Stephania rotunda** Lour.
Gage 217, Lungleh 3,000 ft.

32*. **Tinospora cordifolia** Miers
Lushai name *Theisontlung*.

VI. Berberidaceæ

33. **Mahonia borealis** Tak.
Parry 149, N. Vanlaiphai 5,000 ft., flowers Feb. ; Parry 149a, Phongpui 6,000 ft., fruit Feb., "a yellow dye is obtained from the sap" ; **Lushai name** *Pualeng*.

34. **Mahonia nepalensis** DC.
Parry L.

VII. Cruciferæ.

35*. **Brassica campestris** Linn.
Lushai name *Antam*.

36. **Cardamine hirsuta** Linn.
Parry 586, Paizo 5,000 ft., flowers and fruit Jan., "edible" ;
Lushai name *Phai antam*.

*. **Do. var. sylvatica.**

37. **Nasturtium indicum** DC. **var. bengalensis** DC.
Gage 215, between Ridge Camp and Lungsin 2,500 ft.

VIII. Capparidaceæ.

38*. **Capparis tenera** Dalz.

39. **Capparis viminea** Hook. f. et T.
Parry 211, Chiappui 5,000 ft., flowers May, white.

40. **Crataeva religiosa** Forst.
Wenger C 1, S. Lushai, flowers April.

41. **Roydsia suaveolens** Roxb.
Parry 219, Keitumkawn, flowers April ; Gage 41, 77, Lungleh 3,000 ft., flowers and fruit April.

IX. Violaceæ.

42. **Viola arcuata** Bl.
Parry 4, Phongpui 6,000 ft., flowers Feb., Wenger 434 ; Blue Mountain 5,500-7,000 ft.

43. **Viola betonicifolia** Sm. **sub-sp. nepalensis** Beck.
Parry 5, Phongpui 6,000 ft., flowers Feb. ; Parry 224, Keitumkawn 3,000 ft., flowers April ; Wenger 435, banks at edge of marshy valley 4,000 ft ; Lorrain.

44. **Viola serpens** Wall.
Lorrain without number.

Do. var. canescens Wall.
Lorrain without number.

X. Bixaceæ.

45. **Bixa orellana** Linn.
Parry 317, Saitual 3,000 ft., flowers and fruit Oct. ; **Lushai name** *Rongsen.*

46. **Gynocardia odorata** Roxb.
Gage 70,178, Lungleh 3,000 ft , fruit April ; **Lushai name** *Saithei.*

47. **Taraktogenos Kurzii** King
Parry 656, Aijal 3,000 ft., fruit March ; **Lushai name** *Khawitur* ; Parry 677, Aijal 3,000 ft., flowers April.
Possibly Gage 71 "Hydnocarpus sp.", Lungleh 3,000 ft., is also this species.

XI. Pittosporaceæ.

48. **Pittosporum floribundum** W. et A.
Gage 103, Lungleh 3,700 ft., fruit April.

49. **Pittosporum glabratum** Lindl.
Parry 145, Phongpui 6,000 ft., fruit Feb., in undergrowth in jungle, seeds bright red.

XII. Polygalaceæ.

50. **Polygala arillata** Ham.
Parry 576, Phongpui 7,000 ft., fruit Jan., dull red.

51. **Salomonia aphylla** Griff.
Wenger without number, S. Lushai, flowers and fruit Dec.

52. **Salomonia cantonensis** Lour.
Wenger 344, 3,000-4,000 ft., common in sunny spots on grassy slopes, flowers, pink tipped with purplish red, and fruit Sept.

XIII. Caryophyllaceæ.

53. **Brachystemma calycinum** D. Don
Parry 151, Siatchang 2,000 ft., in rocky ground, flowers March, cream ; Wenger 428, Blue Mountain 5,500 ft., climbing over and drooping from small trees, flowers Feb.

54. **Drymaria cordata** Willd.
Lorrain without number ; **Lakher name** *Paripachhi.*

XIV. Hypericaceæ.

55. **Cratoxylon neriifolium** Kurz.
Parry 284, Keitumkawn 2,000 ft., flowers July, pale pink ; Wenger 316, 2,000 ft., flowers June, deep dull red ; **Lushai name** *Thing sir.*

56. **Hypericum cernuum** Roxb.
Parry 62a, N. Vanlaiphai, 5,000 ft.

57. **Hypericum elodioides** Choisy
Parry 63, Champhai 5,000 ft., flowers July.

58. **Hypericum japonicum** Thunb.
Parry 62, Champhai 5,000 ft., flowers July, in open places.

59a. **Hypericum nepalense** Choisy.

60. **Hypericum sp. near H. lysimachioides** Wall.
Parry 74, Neidawn 4,000 ft., flowers July, yellow, a small shrub on banks of stream.
Dr. O. Stapf considered this to be a new species, but its description has not yet been published.

XV. Guttiferæ.

61. **Garcin'a anomala Planch.**
Wenger C4

62. **Garcinia Cowa** Roxb.
Parry 661, Aijal 3,000 ft., fruit April, edible, bright red. **Lushai name** *Chengkek.*

63a. **Garcinia lanceæfolia** Roxb.

64. **Garcinia Xanthochymus** Hook. f.
Gage 205, between Tuichong and Damagiri 1,000 ft., fruit March.

65a. **Mesua ferrea** Linn.
Lushai name *Herse.*

XVI. Theaceæ

66. **Camellia caudata** Wall.
Parry 450, Sairep 5,000 ft, flowers Jan.

67. **Camellia drupifera** Lour.
Parry 145a, Phongpui 6,000 ft., flowers and fruit Oct.; Parry 530, Phongpui 7,000 ft., flowers Jan.; **Lushai name** *Lallai.*

68. **Eurya symplocina** Bl.
Parry 412, Sialsuk 5,000 ft.; **Lushai name** *Silneh*; **Lakher name** *Hiarangpa.*

69. **Sarauja nepaulensis** DC.
Parry 384, N. Vanlaiphai 5,000 ft., flowers Nov.

70. **Sarauja punduana** Wall.
Gage 51, Lungleh 3,000 ft, flowers March; Lorrain without number, fruit edible; **Lushai name** *Tiar*; **Lakher name** *Thobarothu.*

71. **Schima Wallichii** Choisy
Gage 33, Lungleh 3,000 ft., flowers and fruit March; **Lushai name** *Khiang*, **Lakher name** *Khaimei.*

72*. **Thea sinensis** Linn.
Lushai name *Thingpui*, **Lakher name** *Thangpi.*

XVII. Dipterocarpaceæ.

73. **Dipterocarpus turbinatus** Gærtn. f.
Parry 657, Aijal 3,000 ft., fruit April; **Lushai name** *Lawngthing*; Gage without number or locality; Wenger without number.

XVIII. Malvaceæ.

74. **Abutilon persicum** Merr.
Gage 108, Lungleh 3,000 ft., fruit April.

75*. **Bombax insignis** Wall.

76. **Bombax malabaricum** DC.
Parry 622, Bukpui 3,000 ft. flowers Feb.; **Lushai name** *Phun-chawng*; Lorrain without number.

77. **Gossypium arboreum** Linn.
Parry 368, N. Vanlaiphai 5,000 ft., flowers and fruit Nov., **Lushai name** La; Lorrain without number, **Lakher name** *Pala.*

78. **Hisbiscus furcatus** Roxb.
Lorrain 9, near river at low elevation ; **Lakher name** *Kiasi*

79. **Hibiscus Lampas** Cav.
Wenger 355, bed of Mat River 20 miles east of Lungleh 1,500 ft., flowers and fruit Sept.

80*. **Hibiscus macrophyllus** *Roxb.*
Lushai name *Vaiza*, **Lakher name** *Pazo.*

81. **Hibiscus pungens** Roxb.
Gage 157, fifteen miles South-East of Fort Lungleh, fruit April.

82*. **Hibiscus surattensis** Linn.
Lushai name *Sehnap.*

83*. **Urena lobata** Linn.
Do. do. var. **tomentosa.**
Gage 60, Lungleh 3,000 ft., fruit March.

XIX. Sterculiaceæ.

84. **Byttneria aspera** Coleb.
Gage 69, Lungleh 3,000 ft., fruit March.

85. **Byttneria pilosa** Roxb.
Gage 200, between Lungleh and Ridge Camp 3,000 ft., fruit April ; **Lushai name** *Sazukhnawnghlap.*

86. **Erythropsis colorata** Burk.
Parry 637, Aijal 4,000 ft., flowers March, **Lushai name** *Khaukhim* ; Gage 111, Lungleh 3,000 ft. .

87. **Heritiera acuminata** Wall.
Wenger without number or locality, fruit only.

88. **Pterospermum semisagittatum** Roxb.
Wenger 267, 2,500-3,000 ft., in mountain forest, flowers July ; **Lushai name** *Mukau.*

89. **Scaphium Wallichii** Sch. et Endl.
Wenger without number, date or locality ; fruit only.

90.* **Sterculia ornata** Wall.

91. **Sterculia coccinea** Roxb.
Parry 266, Ramlaitui 3,000 ft., flowers Aug., Wenger 211, 2,500-3,000 ft., flowers Sept.

92.* **Sterculia Roxburghii** Wall.
Lushai names *Tlingi leh, Ngamainchawltuaina.*

93.* **Sterculia urens** Roxb.
Lushai name *Pangkhau.*

94.* **Sterculia villosa** Roxb.

XX. Tiliaceæ.

95. **Columbia floribunda** Wall.
Gage 193, Lungleh 3,000 ft., fruit April

96 **Triumfetta pilosa** Roth
Gage 59, Lungleh 3,000 ft , fruit March.

XXI. Elæocarpaceæ

97. **Elæocarpus lanceæfolius** Roxb.
Parry L.

98. **Elæocarpus prunifolius** Wall.
Parry 99, Laki 5,000 ft , flowers Feb.

99.* **Elæocarpus Varenna** Ham.

XXII. Malpighiaceæ.

100. **Hiptage acuminata** Wall. var.
Gage 146, Lungleh 3,000 ft., flowers and fruit April.

XXIII. Geraniaceæ.

101. **Biophytum Reinwardtii** Edgew. et Hook.
Wenger without number, 2,000 ft., flowers and fruit Aug., "on the river bank"; Wenger 318, 60 miles South of Lungleh, flowers and fruit Sept., "banks and waysides in forest."

102. **Geranium nepalense** Sw.
Parry 263, Hmuifang, 5,000 ft., flowers Aug., pale pink with maroon stripe and maroon stamens and pistil.

XXIV. Balsaminaceæ.

103. **Impatiens chinensis** Linn.
Parry 36, Champhai 5,000 ft., flowers July, bright purple, in marshy places in the open ; **Lushai name** *Hawilo.*

104. **Impatiens drepanophora** Hook f.
Parry 324, Tuisenhnar 4,000 ft., flowers and fruit Oct., flowers bright yellow ; **Lushai name** *Nuaieng.*

105. **Impatiens Jurpia** Ham.
Wenger 208, 3,000 ft , flowers Sept., "in shady moist forest near water" ; Wenger 387, 10 miles South of Lungleh 4,000 ft., flowers Dec.

106. **Impatiens lævigata** Wall.
Parry without number, 4,000 ft , flowers Dec., **Lushai name** *Nuaieng.*

107. **Impatiens porrecta** Wall.
Parry 32, Hmuifang 5,0 0 ft., flowers July, bright orange with darker markings, "in shade" ; **Lushai name** *Hmehzial* ; Parry 33, Sialsuk 4,000 ft , flowers July ; **Lakher name** *Radong.*

108. **Impatiens puberula** DC var
Wenger 388, 10 miles South-East of Lungleh 4,000 ft., 'found only in one damp shady spot", Flowers cream, and fruit Nov.

109. **Impatiens pulchra** Hook. f. et T.
Parry 34, Hmuifang 5,000 ft., flowers July ; Parry 34a, N. Vanlaiphai 5,000 ft ; Parry 35, Sialsuk 4,000 ft., flowers pale yellow with light red marks, "in shady places" ; **Lushai name** *Hmehzial*, **Lakher name** *Radong.*

110. **Impatiens tropæoliflora** Griff.
Parry 376, N. Vanlaiphai 5,000 ft., flowers Nov., bright orange yellow and red ; **Lushai name** *Hmehzial*, **Lakher name** *Radong.*

111. **Impatiens uncipetala** C. B Clarke ?
Wenger 209.

XXV. Oxalidaceæ.

112. **Oxalis corniculata** Linn.
Gage 216, Lungleh 3,000 ft., fruit April ; Lorrain without number ; **Lushai name** *Siakthur*, **Lakher name** *Raahpa*.

XXVI. Rutaceæ.

113.* **Atalantia caudata** Hook. f.
Lushai name *Lallaithing*.

114.* **Atalantia spinosa** (Willd.) Alst.

115. **Bœninghausenia albiflora** Reichb.
Parry 531, Phongpui 7,000 ft., flowers and fruit Jan.

116. **Citrus indica** Tanak.
Parry 78, Sialsuk 3,000 ft. and Seelur 4,000 ft. ; **Lushai name** *Serh*.

117. **Citrus medica** Linn.
Gage 65, Helio Hill, Lungleh 3,700 ft, flowers and fruit March ; **Lushai name** *Serh*, **Lakher name** *Isa*.

118. **Clausena heptaphylla** W. et A.
Parry 117, Sherkor 4,000 ft., "small tree, leaves used by the Lakhers as a febrifuge" ; **Lakher name** *Hriseupakong*.

119. **Clausena suffruticosa** W. et A.
Gage 46, Lungleh 3,000 ft, flowers March.

120.* **Clausena dentata** M. Roem.

121. **Glycosmis pentaphylla** Corr.
Gage 80, Lungleh 3,000 ft, flowers April.

122. **Micromelum minutum** W. et A.
Gage 20, 30, Lungleh 3,000 ft., fruit March ; **Lushai names** *Naoterimnan*, *Kumtintua*.

123. **Murraya paniculata** Jack
Gage 183, Lungleh 3;000 ft., flowers April ; Parry without number or locality in Herb. Calc., **Lushai name** *Mungthi*.

124. **Toddalia asiatica** Lam.
Gage 42, 102, Helio Hill, Lungleh 3,700 ft., fruit March-April.

125. **Zanthoxylum alatum** Roxb.
Parry without number or locality in Herb. Calc. : **Lushai name** *Arhrikreh.*

XXVII. Burseraceæ.

126. **Bursera serrata** Coleb.
Parry L.
127. **Garuga pinnata** Roxb.
Gage 274, Lungleh 3,000 ft., fruit April.

XXVIII. Meliaceæ.

128. **Aglaia chittagonga** Miq.
Gage 161, fifteen miles South-East of Lungleh 3,000 ft., fruit April.
129. **Cedrela Toona** Roxb.
Lorrain without number.
130. **Chisocheton paniculatus** Hiern
Gage 203, Lungleh 3,000 ft. fruit April.
131. **Dysoxylum binectariferum** Hook. f.
Gage 198, between Lungleh and Ridge Camp 3,000 ft., fruit April ; **Lushai name** *Sahatah.*
132.* **Dysoxylum pallens** Hiern
133. **Dysoxylum procerum** Hiern
Gage 177. Lungleh 3,000 ft., fruit April.
134. **Munronia Wallichii** Wight
Parry 210, Tuivolmukh 2,000 ft., flowers May, bright pink, "in undergrowth in jungle" ; Wenger 342, "in shady forest", flowers Sept., pale pink.
135. **Swietenia macrophylla** Hook.
Wenger without number, fruit only. Introduced.

XXIX. Olacaceæ.

136. **Cardiopteris lobata** R. Br.
Parry 367, N. Vanlaiphai 5,000 ft., "in dry bamboo jungle," fruit Nov.

137.* **Leptonurus oblongifolius** Mast.
Lushai name *Anpangthuam.*

138. **Schœpfia fragrans** Wall.
Parry 295, Hmuifang 5,000 ft., flowers Aug., yellow ; **Lushai name** *Anpangthuam.*

XXX. Ilicaceæ

139. **Ilex** sp.
Parry 616, Aijal 3,000 ft., fruit Feb., black ; **Lushai name** *Vokpuitaisen.*

XXXI Celastraceæ.

140. **Celastrus monosperma** Roxb.
Gage 16, 147, Lungleh 3,000 ft., fruit March-April.

141.* **Celastrus paniculatus** Roxb.

142. **Euonymus frigidus** Wall.
Wenger 219, 3,500 ft., flowers May.

143. **Euonymus glaber** Roxb.
Wenger 218, 3,500 ft., flowers May ; **Lushai name** *Hangsen.*

144. **Euonymus theæfolius** Wall.
Parry 566, Phongpui 7,000 ft., fruit Jan.

145. **Gymnosporia acuminata** Hook. f.
Gage 40, Lungleh 3,000 ft., fruit March.

146.* **Gymnosporia Thomsoni** Kurz

147. **Microtropis discolor** Wall.
Parry 471, Tuipang 4,000 ft., flowers Jan. ; Gage 159, fifteen miles South-East from Lungleh, fruit April.

XXXII. Ampelidaceæ.

148. **Cayratia mollis** Gagnep.
Parry 472, Tuipang 4,000 ft. ; **Lushai name** *Remte.*

149. **Cayratia obovata** Gagnep.
Parry 447, Sialsuk 5,000 ft., fruit Jan., edible ; **Lushai name** *Puarpeng.*

150. **Cissus adnata** Roxb.
Gage 220, Demagiri 500 ft., fruit April.

151. **Cissus japonica** Willd.
Gage 219, Demagiri 500 ft., flowers April.

152.* **Leea acuminata** Wall.

153. **Leea indica** Merr.
Gage 85, Lungleh 3,000 ft., fruit April.

154. **Tetrastigma angustifolia** Planch.
Gage 221, Lungleh 3,000 ft., fruit April.

155*. **Tetrastigma bracteolatum** Planch.
Lushai name *Hrulthet*.

156. **Tetrastigma dubium** Planch.
Parry 225, Chinchip 5,000 ft., flowers April, cream.

157. **Tetrastigma lanceolarium** Planch.
Gage 8, Lungleh 3,000 ft., fruit March.

158*. **Tetrastigma obtectum** Planch.
Lushai name *Remte*.

159. **Tetrastigma serrulatum** Planch.
Gage 104, Helio Hill, Lungleh 3,700 ft, fruit April; Lushai name *Remte*.

XXXIII. Sapindaceæ.

160*. **Acer laevigatum** Wall.

161*. **Allophylus Cobbe** Bl.

162. **Nephelium longana** Camb.
Parry 287, Lungleh 4,000 ft., flowers and fruit Aug., flowers white, fruit dull red; Wenger without number.

163. **Sapindus attenuatus** Wall.
Parry 618, Aijal 3,000 ft, flowers Feb., pinkish; Lushai name *Zutui*.

164. **Sapindus Mukorossi** Gærtn.
Parry 629, Aijal 3,000 ft., fruit Feb., "used by the Lushais for soap"; Lushai name *Hlingsi*.

165. **Turpinia nepalensis** Wall.
Parry 619, Aijal 3,000 ft., flowers Feb.

166. **Turpinia pomifera** DC.
Gage 255, Lungleh 3,000 ft., fruit April.

XXXIV. Sabiaceæ.

167. **Meliosma pinnata** Roxb.

Lorrain without number, fruit edible ; **Lakher name** *Theira.*

168 * **Sabia limonacea** Wall.

169. **Sabia parviflora** Wall.

Parry 475, Tuipang 4,000 ft., flowers Jan , greenish yellow.

XXXV. Anacardiaceæ.

170 **Buchanania acuminata** Turez.

Wenger 301, 2,500-2,700 ft.. flowers March, fruit July, "a large, spreading tree resembling the mango, densely flowered" ; .Wenger 341, "in forest on river bank", fruit May.

171. **Mangifera indica** Linn.

Wenger 351, "in forest", 3,500 ft., fruit July, orange yellow ; **Lushai name** *Theih hai.*

172. **Mangifera sylvatica** Roxb.

Wenger 352, "in forest" 2,(00-4,000 ft., fruit highly coloured when ripe ; **Lushai name** *Theih hoi.*

173. **Rhus semialata** Murr.

Parry 387, N. Vanlaiphai 5,000 ft., fruit Oct., edible ; **Lushai name** *Khawmhma,* **Lakher name** *Thohmaw.*

174.* **Rhus succedanea** Linn.

175.* **Spondias mangifera** Willd.

Lushai name *Tawitaw,* **Lakher name** *Dangko.*

176. **Swintonia floribunda** Griff.

Wenger without number, fallen fruit only.

XXXVI Connaraceæ.

177. **Connarus paniculatus** Roxb.

Gage 27, Lungleh 3,000 ft. fruit March.

XXXVII Papilionaceæ.

178. **Apios carnea** Benth.

Wenger 210, 2,500-3,000 ft., "in clearing in forest", flowers Sept.

179. **Butea minor** Ham.

Parry 304, Durtlang 5,000 ft., flowers and fruit Oct., flowers brick red ; **Lushai name** *Thualthu.*

180.* **Canavalia ensiformis** DC.

181. **Clitoria mariana** Linn.

Parry 76, Tuisenhnar, 4,000 ft , flowers July, bright purple.

182. **Crotalaria capitata Benth** var.
Parry 577, Phongpui 7,000 ft., flowers and fruit Jan., flowers pure white with blue markings.

183. **Crotalaria ferruginea** Grah.
Gage 92, Helio Hill, Lungleh 3,700 ft., fruit April.

184 .**Crotalaria juncea** Linn.
arry 604, Darzo 4,000 ft , flowers and fruit Jan. ; **Lushai name** *Tumthang*.

185. **Crotalaria retusa** Linn.
Parry 486, Koladyne River 2,000 ft., flowers and fruit Jan.

186.* **Crotalaria tetragona** Roxb.
Lushai name *Tumthang*.

187.* **Dalbergia tamarindifolia** Roxb.

188. **Dalbergia volubilis** Roxb.
Gage 196, Lungleh 3,000 ft., fruit April.

189. **Derris monticola** Prain
Gage 23, Lungleh 3,000 ft., flowers March.

190. **Derris polystachya** Benth. ?
Parry 390a, Thenzawl 3,000 ft., fruit only.

191. **Derris thyrsiflora** Benth.
Parry 652, Aijal 3,000 ft , flowers March, white ; Gage 32, Lungleh 3,000 ft.

192.* **Derris Wallichii** Prain
Lushai name *Hulhlo*.

193.* **Desmodium Cephalotes** Wall.

194. **Desmodium concinnum** DC.
Wenger 300, 5,000 ft., "in open forest on sunny hillside", flowers Dec., dark blue.

195. **Desmodium gangeticum** DC.
Gage 224, Lungleh 3,000 ft., fruit April.

196. **Desmodium gyrans** DC.
Parry 560, Chhuarlung 5,000 ft. ; **Lakher name** *Keuphia*.

197.* **Desmodium gyrodes** DC.

198. **Desmodium laxiflorum** DC.
Parry 230, Aijal 3,500 ft., "in undergrowth in jungle", flowers and fruit April ; Wenger 319, Mamte Mountain 4,500-5,000 ft., "in open forest among grass", flowers Sept., bright mauve.

199. **Desmodium microphyllum** DC.
Wenger 426, 4,000 ft., "banks and ridges in open valley, creeping on the ground", flowers and fruit Feb., flowers pinkish fading to white.

200. **Desmodium oblongum** Wall.
Wenger without number, 5,000-6,000 ft., "in open forest on edges of cliff", flowers and fruit Dec., flowers dark blue.

201.* **Desmodium repandum** DC.

202. **Dunbaria podocarpa** Kurz
Gage 192, Lungleh 3,000 ft., flowers and fruit April.

203. **Dysolobium grande** Prain
Parry 627, Aijal 3000, ft., fruit Feb.; **Lushai name** *Hruichun.*

204. **Erythrina arborescens** Roxb.
Parry 617, Bukpui 3,000 ft., flowers Feb., bright red; **Lushai name** *Nganbawn,* **Lakher na ne** *Chiachi.*

205. **Erythrina indica** Lam.
Parry L.

206. **Flemingia fluminalis** C. B. Clarke
Parry 516, Siachhung 2,000 ft., flowers Jan., white.

207. **Flemingia stricta** Roxb.
Parry 667, Aijal 3,000 ft., flowers April, blue; Gage 227, Lungleh 3,000 ft., fruit April.

208. **Millettia cinerea** Benth.
Parry 409, Sialsuk 5,000 ft., fruit Dec.; **Lushai name** *Ardahepui.*

209. **Millettia pachycarpa** Benth.
Parry 206, Kawthlir 4,000 ft., flowers April, pink, young leaves silvery; Wenger 309, 3,000 ft., flowers April, mauve purple, "in cleared forest".

210. **Millettia piscida** Wight ?
Parry 390, Zobawk 3,000 ft.; **Lushai name** *Ruteng.*

211. **Millettia pulchra** Benth.
Parry 160, Mimbung 5,000 ft., flowers May, blue.

212. **Mucuna exserta** C. B. Clarke ex. C. E. C. Fischer
Parry 651, Keitumkawn 2,000 ft., flowers March, dark purple, nearly black; **Lushai name** *Hrudduk*, **Lakher name** *Itamei*.

213. **Mucuna imbricata** DC.
Gage 225, Lungleh 3,000 ft., flowers April.

214. **Pueraria Thomsoni** Benth.
Parry 202, Kawthlir 3,000 ft., flowers April, blue; **Lushai name** *Kaikuangru*; Wenger 328, common, flowers Sept., blue, slightly scented, "a rampant climber in open jungle, difficult to eradicate from jhums".

215. **Pueraria Wallichii** DC.
Parry 446, Sherkor 4,000 ft., flowers Jan., white.

216. **Rhynchosia** sp. prox. **R. himalensis** Benth.
Parry 227, Aijal 3,500 ft., flowers April, yellow.

217. **Uraria Clarkei** Gagnep.
Wenger 358, river bed 70 miles South East of Lungleh 2,000 ft., flowers Dec., dark blue.

218.* **Uraria crinita** Desv.

219. **Wistaria floribunda** DC.
Parry 214, Aijal 3,500 ft., flowers April, blue.

XXXVIII. Cæsalpiniaceæ.

220. **Acrocarpus fraxinifolius** Wight
Parry without number or locality.

221. **Bauhinia glauca** Wall.
Gage without number, Helio Hill, Lungleh 3,700 ft., fruit March.

222. **Bauhinia purpurea** Benth.
Parry 231, Aijal 3,500 ft., fruit April; Parry 231 Selengkawn, flowers Sept.; **Lushai name** *Vaobe*.

223. **Bauhinia rufa** Grah.
Gage 136, 15 miles South East of Lungleh, fruit April.

224. **Bauhinia tenuiflora** Watt. ex. C. B. Clarke
Parry 459, Tuipang 4,000 ft., flowers, white, and fruit Jan;

Lushai name *Hruivaobe*; Wenger C. 6, Lungleh 3,000 ft., flowers Aug.

225. **Bauhinia variegata** Benth.
Parry 119, Chinchip 4,000 ft., leafless and in flower Feb., flowers white, one petal purple and orange; **Lushai name** *Vaofavang*.

226. **Cassia Fistula** Linn.
Parry 607, Hnathial 3,000 ft., fruit Jan.; **Lushai name** *Makpazangkang*.

227.* **Cassia Sophera** Linn.

228. **Cassia timoriensis** DC.
Parry 389, Zobawk 3,000 ft., fruit Oct.; **Lushai name** *Luahmur*.

229.* **Cynometra polyandra** Roxb.
Lushai name *Kawrhreiha*.

230. **Mezoneuron cucullatum** W. et A.
Parry 400, Aijal 3,000 ft., flowers Oct.

231. **Saraca indica** Linn.
Gage 213, between Ridge Camp and Lungsin 2,000-2,500 ft., flowers April; Wenger without number, fruit only.

XXXIX. Mimosaceæ.

232. **Acacia oxyphylla** Craib
Gage 79, Lungleh 3,000 ft., fruit April; Parry L.

233. **Acacia pennata** Willd. var. **arrophula** Don
Gage 106, Helio Hill, Lungleh 3,700 ft., fruit April: **Lushai name** *Khangsen*, **Lakher name** *Maza*.

234. **Acacia pruinosa** Kurz
Gage 121, Lungleh 3,000 ft., fruit April.

235. **Albizzia chinensis** Merr.
Gage 124, Lungleh 3,000 ft., flowers April; **Lushai name** *Vang*, **Lakher name** *Pava*.

236. **Albizzia odoratissima** Benth.
Parry L.

237. **Albizzia procera** Benth.
Parry L.

238. **Albizzia** sp. prox. A. Thomsoni Brandis
Parry 388, Zobawk 2,000 ft., fruit Oct.; **Lushai name** *Thingri*.

239. **Entada scandens** Benth.
Gage 90, Helio Hill, Lungleh 3,700 ft., flowers April; **Lushai name** *Kawi*, **Lakher name** *Seuleu*.

240. **Parkia Roxburghii** Don
Parry L.

241. **Pithecolobium angulatum** Benth.
Parry 428, Thenzawl 3,000 ft.; **Lushai name** *Ardahpui*, **Lakher name** *Awhmangbeupathang*.

242.* **Pithecolobium bigeminum** Mast.
Lushai name *Ardahte*.

243. **Pithecolobium montanum** Benth.
Parry 499, Chapi 4,000 ft.; Lorrain 27, "leaves used for dyeing cotton black"; **Lakher name** *Awmabynpa*.

XL. Rosaceæ.

244. **Eriobotrya bengalensis** Hook. f.
Gage 155, 15 miles South-East of Lungleh, fruit April; Parry in Herb. Calc. without number; **Lushai name** *Hnalchun*.

245.* **Fragaria indica** Andr.
Lushai name *Vaithethmu*.

246. **Photinia integrifolia** Lindl.
Parry 532, Phongpui 7,000 ft., fruit Jan.

247. **Potentilla fragarioides** Linn.
Parry 187, Champhai 5,000 ft., flowers May.

248. **Potentilla fulgens** Wall.
Parry 570, Phongpui 7,000 ft.

249. **Potentilla Kleinana** W. et A.
Parry 465, Tuipang 4,000 ft., flowers Jan.

250. **Prunus Puddum** Roxb.
Parry 103, Sherkor 3,000 ft., flowers Jan.; **Lushai names** *Paivum*, *Tlaizong*; Parry 520, N. Vanlaiphi 5,000 ft.

251. **Pyrus Pashia** Ham.
Parry 676, Aijal 3,000 ft., flowers April; **Lushai name** *Chalthei.*

252. **Rosa longicuspis** Bertol.
Parry 139, Phongpui 6,000 ft., "strong rambler".

253. **Rubus acuminatus** Sm.
Parry 421, Zongling 4,000 ft., flowers and fruit Jan., flowers white with mauve stamens, fruit black; **Lushai name** *Theihmu*; Lorrain without number; **Lakher name** *Seisahmangpa.*

254.* **Rubus assamicus** Focke

255. **Rubus birmanicus** Hook. f.
Wenger without number, 5,000 ft, "in cleared forest", flowers Sept.; Parry in Herb. Calc.; **Lushai name** *Siallinuchhu*

256. **Rubus ellipticus** Sm.
Gage 62, Lungleh 3,000 ft., fruit April; Lorrain without number; **Lushai name** *Hmutau.*

257. **Rubus ferox** Wall.
Parry 299, Howlong 3,000 ft., flowers and fruit Aug, flowers white, fruit hard, inedible; Wenger 207, 3,000-4,000 ft., "in cleared forest", flowers Sept.

258. **Rubus Griffithii** Hook. f.
Wenger 205, flowers Sept.

259. **Rubus lasiocarpus** Sm.
Gage 58, Lungleh 3,000 ft., flowers April.

260. **Rubus moluccanus** Linn.
Gage 21, Lungleh 3,000 ft., flowers March.

261. **Rubus niveus** Wall.
Lorrain without number.

262. **Rubus rosæfolius** Sm.
Gage 30, 51, Lungleh 3,000 ft., fruit March; **Lushai name** *Hmupa.*

263. **Rubus rugosa** Sm.
Lorrain without number.

264. **Rubus Treutleri** Hook. f.
Lorrain without number.

XLI. Saxifragaceæ.

265. **Bergenia ligulata** Engl.
Parry 137, Phongpui 6,000 ft., flowers Feb., roots medicinal; Lushai names *Pandamdawi*, *Khamdamdawi*.

266.* **Dichroa febrfuga** Lour.
Lushai name *Khawsikdamdawi*.

267. **Pargassia mysorensis** Heyne
Parry 18, Sialsuk 5,000 ft., "in open ground on grassy slopes", flowers July.

XLII. Crassulaceæ.

268.* **Kalanchoe floribunda** W. et A. var. **glabra** C. B. Clarke

269. **Kalanchoe spathulata** DC.
Parry 480, Sairep 5,000 ft., flowers Jan, pale pink, fragrant.

270. **Sedum Griffithii** C. B. Clarke
Parry 406, Peongpui 6,000 ft, flowers Nov., yellow.

271.* **Sedum multicaule** Wall.

XLIII. Droseraceæ.

272.* **Drosera peltata** Sm.

XLIV. Hamamelidaceæ.

273. **Loropetalum chinense** Oliv.
Parry 176, Laliphai 5,000 ft., flowers May, white.

XLV. Rhizophoraceæ.

274. **Carallia integerrima** DC.
Parry 644, Aijal 3,000 ft., flowers March; Lushai name *Theira*; Lakher name *Theichavapa*; Gage 57, Lungleh 3,000 ft. flowers March-April.

XLVI. Combretaceæ.

275. **Anogeissus acuminata** Wall. var. **lanceolata** Wall.
Parry 597, Zobawk 2,000 ft., flowers Jan.; Lushai name *Zairum*; Gage 109, Lungleh 3,000 ft., fruit April.

276. **Calycopteris floribunda** Lam.
Gage without number, Demagiri 500 ft., fruit March; Wenger C7, C7a, flowers April.

277. **Combretum dasystachyum** Kurz
Gage 187, Lungleh 3,000 ft., flowers April.

278. **Combretum squamosum** Roxb.
Gage 110, 111, Lungleh 3,000 ft., fruit April; Lorrain without number; **Lakher name** *Lyurei*.

XLVII. Myrtaceæ.

279. **Jambosa diospyrifolia** (Wall.) C. E. C. Fischer.
Parry 184, Tawkzawl 2,000 ft., flowers May, Apricot scented.

280. **Jambosa polypetala** (Wight) Walp
Parry 167, Tuivolmukh 2,000 ft, flowers May; **Lushai name** *Tuipui sulhla*, **Lakher name** *Rabu*; Gage without number, Demagiri 500 ft., flowers April.

281. **Jambosa vulgaris** DC.
Parry 659, Aijal 3,000 ft., flowers April.

282.* **Syzygium claviflorum** Wall.
Lushai name *Lenhmui*.

283.* **Syzygium operculatum** Nied. var. **obovatum** Kurz
Lushai name *Hmuizubel*.

XLVIII. Lecythidaceæ.

284. **Careya arborea** Roxb.
Parry L.; **Lakher name** *Samaraw*.

XLIX. Melastomaceæ.

285. **Melastoma normale** D. Don
Parry 668, Aijal 3,000 ft., flowers April; Gage 73, Lungleh 3,000 ft., flowers April, Lorrain without number, stem, flowers and fruit edible; **Lakher name** *Liarichaipa*.

286.* **Melastoma** sp. prox. **M. imbricatum** Wall.

287. **Medinilla rubicunda** Bl.
Gage 25, Lungleh 3,000 ft., fruit March.

288. **Memecylon celastrinum** Kurz
Parry L.; **Lushai name** *Theikawrak.*

289.* **Memecylon grande** Retz.

290. **Osbeckia chinensis** Linn.
Parry 343, Champhai 5,000 ft., flowers Oct.; **Lushai name** *Bullukham.*

291.* **Osbeckia crinita** Benth.
Lushai name *Bullukham.*

292. **Osbeckia rostrata** Don var.
Lorrain without number.

293. **Oxyspora paniculata** DC.
Parry 325, Tuisenhnar 4,000 ft, flowers and fruit Oct., flowers magenta pink, fruit dark red; Parry 526, Phongpui 5,200 ft., fruit Jan.; **Lushai name** *Khampar.*

294. **Oxyspora vagans** Wall.
Parry L.

295. **Sarcopyramis nepalensis** Wall.
Parry 54, Thiak 4,000 ft, flowers Aug., pale pink.

296. **Sonerila khasiana** C. B. Clarke
Parry in Herb. Calc; Wenger 345, 4,000 ft, flowers Sept.

297. **Sonerila maculata** Roxb
Parry 48, 49, 50, 51, Aijal 3,000 ft., flowers and fruit Oct. Parry 52, 53, Vanlaiphai 5,000 ft.; Parry 65, Aijal 3,000 ft., flowers Aug.; Parry 701, without locality, flowers March; Gage 259, Lungleh 3,000 ft.; Wenger 346, 3,500 ft., 'on shady banks", fruit July, leaves dark or bronze green above, purple beneath with a yellow or green blotch along the middle.

298. **Sonerila tenera** Royle
Wenger 395, Blue Mountain 80 miles South-East of Lungleh 3,000-4,000 ft., flowers Nov., pale pink, "in the grass edges of dry hill-rice fields".

299. **Sonerila villosa** C. B. C. Fischer
Wenger 323, from Lungleh to 64 miles South 2,500-4,000 ft., on wet rocks, flowers and fruit July-Aug., stems deep crimson.

L. Lothraceæ.

300. **Ammannia baccifera** Linn.
Parry 88, Lungleh 4,000 ft., flowers Jan.

301. **Crypteronia glabra** Bl.
Parry 443, Thingphal 3,000 ft., flowers and fruit Jan., flowers cream.

302. **Duabanga sonneratioides** Ham
Parry 642, Aijal 3,000 ft., flowers March **Lushai name** *Zuang*, **Lakher name** *Azeu*; Gage 72, Lungleh 3,000 ft., flowers and fruit March-April

303. **Lagerstrœmia flos-reginæ** Retz.
Wenger 349, 350, on forest hill tops 1,800 ft., flowers Sept.; **Lushai name** *Thlado*, **Lakher name** *Patawngpa*.

304. **Rotala rotundifolia** Kœhn.
Parry 86, Thenzawl 3,000 ft., flowers Jan.

305. **Woodfordia fruticosa** Kurz
Parry 185, Champhai 5,000 ft, flowers May; Parry 605, Vombuk 5,000 ft., buds Jan.

LI. Onagraceæ.

306. **Epilobium trichoneuron** Hskn.
Parry 362, N. Vanlaiphai 5,000 ft, flowers and fruit Nov., flowers magenta pink.

LII. Samydaceæ.

307. **Casearia tomentosa** Roxb.
Parry 223, Darzo 5,000 ft., fruit April.

LIII. Passifloraceæ.

308. **Carica Papaya** Linn.
Lorrain without number—cultivated; **Lakher name** *Mata bahla*.

309.* **Modecca trilobata** Roxb.

310.* **Passiflora incarnata** Linn.

311. **Passiflora nepalensis** Wall.
Parry 75, Khawlkul 4,000 ft., flowers July, greenish white; **Lushai name** *Nanawlmu*.

LIV. Cucurbitaceæ.

312. **Gomphogyne cissiformis** Griff.
Wenger 240, 3,500 ft., "climbing over bushes in shady forest," fruit Sept.

313. **Hodgsonia heteroclita** Hook. f. et T.
Parry 234, Aijal 3,500 ft., flowers June, "seeds edible when roasted taste like bacon" ; Lushai name *Khaum.*

314. **Melothria heterophylla** Cogn.
Parry 470, Siachhung 2,000 ft., flowers Jan. ; Lushai name *Zongawmpawng.*

315. **Thladiantha calcarata** C. B. Clarke
Gage 210, between Ridge Camp and Lungsin 2,000 ft, flowers April.

LV. Begoniaceæ.

316. **Begonia amœna** Wall.
Parry 45, 46, 47, Hmuifang 5,000 ft., flowers and fruit July, flowers pink, "creeping over moss-covered trunks and rocks" ; Lushai name *Sekhupthur*, Lakher name *Selmakhupa* ; Wenger 320, 60 miles South of Lungleh 4,500 ft., flowers Sept , rich rose pink, "stems and long filamentous runners vivid crimson, forming a net-work round the roots".

317. **Begonia barbata** Wall.
Parry 40, Sailam 5,000 ft., Thingphal 3,000 ft., and Zobawk 3,000 ft., flowers and fruit Jan. ; Lushai name *Lalruanga-darnawna* ; Parry 41, Sibutalung and Tawkzawl 2,000-3,000 ft., flowers July to Nov. ; Parry 250, Sailam 5,000 ft., flowers Aug. ; Gage 232, 233, Lungleh 3,000 ft., flowers and fruit April.

318. **Begonia Beddomei** Hook. f.
Parry 306, Ramlaitui 3,000 ft., flowers and fruit Oct.-Nov. ; Lushai name *Lalruangadarnawna.*

319. **Begonia laciniata** Roxb.
Parry 77, Aijal 4,000 ft., flowers Sept. ; Lushai name *Sekhupthur*, Lakher name *Selmakhupa.*

320. **Begonia lushaiensis** C. E. C. Fischer
Parry 39, Sialsuk 4,000-5,000 ft., flowers July, bright pink, fruit Sept. ; **Lushai name** *Sekhupthur*, **Lakher name** *Seimakhupa*.

321.* **Begonia megaptera** A. DC.

322. **Begonia pedunculosa** Wall.
Parry 43, 44, Lumtui 2,000 ft., flowers June, white.

323.* **Begonia picta** Sm.

324. **Begonia Rex** Putz.
Parry 253a, Thenzawl 4,000 ft., fruit May ; **Lushai name** *Lalruangadarnawna*.

325. **Begonia Roxburghi** A, DC.
Parry 186, Kawthlir 6,000 ft., flowers May ; Parry 264, Hmuifang 5,000 ft. ; **Lushai name** *Sekhupthur*.

326. **Begonia rubro-venia** Hook.
Parry 90, Lungleh 4,000 ft., flowers and fruit Jan.

327. **Begonia sikkimensis** A. DC.
Parry 253, N. Vanlaiphai 5,000 ft., flowers Sept. ; **Lushai name** *Lalruangadarnawna*.

328.* **Begonia Thomsoni** A. DC.
Lushai name *Lalruangadarnawna*.

329. **Begonia Wattii** C. B. Clarke
Parry 699, 700, fruit Sept.

330. **Begonia Wengeri** C. E. C. Fischer
Wenger 324, 56-64 miles South of Lungleh 1,500-2,000 ft., "on moist shady banks", flowers and fruit Aug., flowers pure white.

331. **Begonia** sp. prox. B. **inflata** C. B. Clarke
Parry 430, **Lushai name** *Sekhupthur-a-hmul*

LVI. Aizoaceæ.

332.* **Mollugo pentaphylla** Linn.

333. **Mollugo stricta** Linn.
Parry L.

LVII. Umbelliferæ.

334. **Bupleurum tenue** Don
Lorrain without number.

335.* **Eryngium fœtidum** Linn.
Lushai name *Bakhur*.

336. **Heracleum burmanicum** Kurz
Parry 527, Phongpui 5,000 ft., fruit Jan.

337. **Hydrocotyle javanica** Thunb.
Parry 143, Phongpui 6,000 ft., flowers Feb ; Lushai name *Hlovaidawr* ; Gage 234, Lungleh 3,000 ft., flowers and fruit April.

338. **Pimpinella diversifolia** DC.
Parry 24, Champhai 5,000 ft., flowers July.

LVIII. Araliaceæ.

339. **Aralia foliosa** Seem. var. **sikkimensis** C. B. Clarke
Parry 476, Sairep 5,000 ft, flowers Jan., cream ; Parry 594, Darzo 5,000 ft. ; Lushai name *Chimchawk*, Lakher name *Chichupa*.

340.* **Aralia Thomsoni** Seem.
Lushai name *Chimchawkhmulmi*, Lakher name *Chichupa*.

341.* **Aralidium pinnatifidum** Hook. f.

342. **Brassaiopsis speciosa** Dcne. et Planch.
Gage 156, 15 miles South-East of Lungleh, fruit April.

343. **Hedera Helix** Linn.
Parry 133, Phongpui 6,000 ft. and N. Vanlaiphai 5,000 ft.

344. **Macropanax oreophilum** Miq.
Parry 660, Aijal 3,000 ft. ; Lushai name *Phuanbekh*.

345. **Schefflera Clarkiana** Craib
Gage 175, Lungleh 3,000 ft., fruit April.

346. **Schefflera hypoleuca** Harms.
Parry 104, Morchra 5,000 ft. ; Parry 148, Phongpui 6,000 ft.

347. **Schefflera venulosa** Harms
Parry 511, Mawmang Tlang 5,000 ft., flowers Jan., cream ; Lushai name *Kelbuk* Lakher name *Sakhitthu*.

348. **Trevesia palmata** Vis.

Parry 105, Morchra 5,000 ft. ; Parry 595, Darzo 5,000 ft., flowers Jan., cream ; **Lushai names** *Vombal, Kawhtebel* ; Gage 222, Demagiri 500 ft., fruit April ; Lorrain 50. **Lakher name** *Ahloko.*

LXIX, Cornaceæ.

349. **Cornus capitata** Wall.

Parry L.

LX. Alangiaceæ.

350. **Alangium begoniæfolium** Baill.

Parry L,

LXI. Caprifoliaceæ.

351. **Lonicera japonica** Linn. var.

Parry 12, Naosel 2,500 ft., flowers April, white turning yellow ; **Lushai name** *Leihruisen.*

352. **Viburnum coriaceum** Bl.

Parry 386, N. Vanlaiphai 5,000 ft., fruit Oct. ; **Lushai name** *Lalruanga hna hezut.*

LXII. Rubiaceæ.

353. **Adenosacme longifolia** Wall.

Gage 150, 15 miles South-East of Lungleh, fruit April ; **Lushai name** *Vatezuk.*

354. **Adina polycephala** Benth.

Parry 441, Thingphal 4,000 ft., flowers Jan.

355.* **Anotis Wightiana** Hook. f.

356. **Argostemma fragile** Geddes

Wenger 221a, 2,000-4,000 ft., flowers Dec.

357. **Argostemma sarmentosum** Wall.

Wenger 220, 222, 2,000-4,000 ft., "on wet rocks", flowers Aug.

358. **Argostemma verticillatum** Wall.
Parry 279, Leite 3,000 ft., flowers July ; Wenger 221, 268, 3,500-4,000 ft., "on tree-trunks and wet rocks in shady forest", flowers June-July ; Wenger 317, 60 miles South of Lungleh 3,500 ft., flowers Aug.

359.* **Chasalia ambigua** Alst.

360. **Chasalia lushaiensis** C. E. C. Fischer
Parry 180, Tawkzawl 2,000 ft., flowers May, waxy white with pink tips.

361.* **Coffea bengalensis** Roxb.
Lushai name *Pararsi*.

362. **Galium rotundifolium** Linn.
Parry 175, Sailam 5,000 ft. ; Wenger 367, "open spaces amongst shrubs on Blue Mountain" 5,000-6,000 ft., flowers nov., greenish.

363. **Gardenia campanulata** Roxb.
Parry L.

364. **Gardenia coronaria** Ham.
Wenger C6, flowers April.

365. **Hedyotis connata** Wall.
Parry 232, Aijal 3,000 ft., flowers June, blue.

366. **Hedyotis scandens** Roxb.
Gage 48, Lungleh 3,000 ft., fruit March.

367. **Hedyotis vestita** R. Br.
Parry L. ; Wenger 271, 3,000 ft., "in open spaces in old jhums", flowers and fruit June-July.

368. **Hymenopogon parasiticus** Wall.
Parry 254, Hmuifang 5,000 ft , buds Aug. ; Wenger 223, 224, 4,000-5,000 ft., flowers Aug., white.

369. **Ixora subsessilis** Wall.
Parry 379, Chekawn 3,000 ft., flowers Nov., white ; Gage 145, 15 miles South East of Lungleh, fruit April.

370. **Ixora villosa** Roxb.
Gage 236, Lungleh 3,000 ft., flowers April.

371. **Knoxia brachycarpa** R. Br.
Parry 339, Champhai 5,000 ft., flowers Oct. white.

372.* **Knoxia corymbosa** Willd.

373. **Lasianthus lucidus** Bl.
Parry 544, Siata 4,000 ft.

374. **Lasianthus** sp. prox. **L. Biermannii** King
Parry 361, Lailen 4,000 ft., flowers Oct., bright blue.

375. **Luculia gratissima** Sweet.
Parry 417, Sialsuk 5,000 ft., flowers Dec., pale pink.

376.* **Luculia Pinceana** Hook.

377. **Morinda angustifolia** Roxb.
Gage 39, Lungleh 3,000 ft., flowers March ; **Lushai name** *Kawrpel.*

378. **Mussænda glabra** Vahl
Parry 600, Chhinchip 4,000 ft., fruit Jan. ; **Lushai name** *Vakep* ; Gage 186, Lungleh 3,000 ft., flowers April.

379. **Mussænda macrophylla** Wall.
Parry 274, Leite 4,000 ft., flowers and fruit July, flowers yellow ; **Lushai name** *Vakep* ; Gage 277, Lungleh 3,000 ft., flowers April.

380. **Mussænda Parryorum** C. E. C. Fischer
Parry 359, N. Vanlaiphai 5,000 ft., flowers and fruit Oct., flowers yellow , **Lushai name** *Vakephrui.*

381. **Mussænda pentassæmia** C. E. C. Fischer
Parry 275, Hnathial 3,000 ft., flowers July, brownish yellow, fruit Nov., **Lushai name** *Vakep.*

382. **Mussænda Roxburghii** Hook. f.
Parry 276, Zobawk and Lungleh 2,000-3000 ft., flowers July, bright yellow ; **Lushai name** *Vakep.*

383. **Mytragyne diversifolia** Havil.
Parry 593, Darzo 5,000 ft., flowers and fruit Jan. ; **Lushai name** *Lungkhup.*

384.* **Ophiorrhiza Harrisiana** Heyne
Do do var. argentea Wall.
Gage 188, Lungleh 3,000 ft., flowers April ; **Lushai name** *Lamba.*

385.* **Pæderia fœtida** Linn.
Lushai name *Voihuihrui*, **Lakher name** *Veihna.*

386. **Pavetta indica** Linn.
Gage 82, 176, Lungleh 3,000 ft., flowers April.

387. **Pavetta neglecta** Brem.
Wenger 214, 3,500 ft., "in shady forest", flowers Aug.

388. **Psychotria calocarpa** Kurz
Parry 96, Morchra 5,000 ft., fruit Feb., bright red ; Parry 442, Thingphal 4,000 ft., fruit Jan., leaves edible ; Lushai name *Kawrpelh* , Gage 169, 15 miles South East of Lungleh, fruit April.

389.* **Psychotria erratica** Hook. f.

390. **Psychotria fulva** Hook. f. var. **monticola** Hook. f.
Parry 498, Chapi 4,000 ft., flowers and fruit Jan., flowers cream.

391. **Psychotria Thomsonii** Hook. f.
Parry 510, Siachhung 2,000 ft., fruit Jan., bright red.

392.* **Randia dumetorum** Lam.
Lushai name *Sazukthel.*

393.* **Randia fasciculata** DC.
Lushai name *Chhawntan.*

394. **Randia longiflora** Lam.
Gage 235, between Ridge Camp and Lungsin 2,500 ft., flowers April ; Wenger C3, flowers April.

395. **Randia Wallichii** Hook. f.
Parry 182, Tawkzawl 2,000 ft., flowers July, yellow.

396. **Rubia sikkimensis** Kurz
Parry 641, Aijal 3,000 ft., flowers and fruit March, fruit black ; Lushai name *Hruisen.*

397.* **Saprosma ternatum** Hook. f.

398.* **Silvianthus bracteatus** Hook. f.

399. **Uncaria crinita** Desv.
Parry L. ; Lushai name *Ruteng.*

400. **Uncaria homomalla** Miq.
Gage 28, Lungleh 3,000 ft., flowers March.

401. **Uncaria laevigata** Wall.
Wenger 386, near Lungleh 3,000 ft. and upwards, "common in forest", flowers Oct. ; Lushai name *Ralsamkuai.*

402. **Uncaria sessilifructus** Roxb.
Gage 18, 223, Lungleh 3,000 ft., fruit March-April ; **Lushai name** *Ralsamkuai.*

403. **Wendlandia grandis** Cowan
Parry 601, Chhinchip 5,000 ft., flowers Jan., cream ; J. C. Prazer without number, 7 miles from Changsie, tree 30 ft. high, flowers April, white.

404. **Wendlandia tinctoria** DC. sub sp. **orientalis** Cowan
Gage 34, Lungleh 3,000 ft., flowers March.

405. **Wendlandia Wallichii** W. et A.
Parry 354, Champhai 5,000 ft., flowers Oct., fragrant, cream.

LXIII. Dipsacaceæ.

406. **Dipsacus asper** Wall.
Parry 347, Champhai 5,000 ft., flowers Oct., white.

LXIV. Compositæ.

407. **Ageratum conyzoides** Linn.
Gage 165, fifteen miles South East of Lungleh, fruit April ; Wenger 418, common everywhere up to 4,000 ft., flowers Feb., bluish purple ; Lorrain without number, **Lushai name** *Vailenhlo.*

408. **Ainsliæa pteropoda** DC.
Parry 474, Tuipang 5,000 ft., flowers and fruit Jan., flowers pale pink ; Wenger 377, 419 Blue Mountain 3,500-6,500 ft., in open spaces, flowers and fruit Nov., "up to 5 ft. high".

409. **Anaphalis adnata** DC.
Parry 351, Champhai 5,000 ft., flowers Oct., white.

410. **Anaphalis araneosa** DC.
Wenger 374, on open grassy hill-tops 5,000 ft., fruit Nov.

411. **Artemisia dubia** Wall. var. **legitima** Pamp.
Wenger 415, 4,000 ft., and upwards, in grassy places, flowers Feb.

412. **Artemisia vulgaris** Linn.
Parry 656, Phongpui 6,000 ft., flowers Jan., buff; Lushai name *Sai*.

413. **Bidens pilosa** Linn.
Gage 86, Helio Hill, Lungleh 3,700 ft., flowers April; Lorrain without number; Lakher name *Poccho*; Wenger 410, common, 1,000-4,000 ft., flowers Feb., "leaves greedily eaten by horses".

414. **Blumea balsamifera** DC.
Gage without number, Karnaphuli River 5,000 ft.

415.* **Blumea chinensis** DC.

416. **Blumea densiflora** DC.
Gage 98, Helio Hill, Lungleh 3,700 ft., fruit April.

417. **Blumea glomerata** DC.
Parry 584, Darzo 5,000 ft., flowers and fruit Jan.; Wenger 408, 411, in clearings and waysides, occasionally densely gregarious, flowers Feb., purple.

418. **Blumea hieracifolia** DC var. **macrostachya** Hook. f.
Wenger 412, 4,000 ft., in clearings, flowers Feb.

419. **Blumea lacera** DC.
Gage 89, Helio Hill, Lungleh 3,700 ft., fruit April.

420. **Blumea laciniata** DC.
Wenger 413, 4,000 ft., flowers Feb., bright yellow, "very bushy, up to 15 ft., high".

421. **Blumea membranacea** DC.
Wenger 405, 406, 2,000-4,000 ft. in clearings and waysides, flowers Feb.

422. **Cirsium involucratum** DC.
Parry 291, Hmuifang 5,000 ft., flowers Aug., cream; Parry 557, Phongpui 6,000 ft., flowers Jan., dull mauve.

423. **Cirsium wallichii** Gard. et Champ.
Parry 328, Tuisenhnar 4,000 ft., flowers Oct., purple; Lushai name *Lenkhing*.

424. **Conyza stricta** Willd.
Gage 88, Helio Hill, Lungleh 3,700 ft., flowers April.

425. **Conyza viscidula** Wall.
Parry 494, Zongling 4,000 ft,. flowers and fruit Jan., flowers pink ; **Lushai name** *Buar*.

426.* **Cyathocline lyrata** Cass.

427. **Dichrocephala minutiflora** Van.
Parry 583, Koladyne River 2,000 ft., flowers and fruit Jan., flowers bright mauve.

428. **Dichrocephala latifolia** DC.
Wenger 423, common everywhere in gardens and clearings, 1,000-4,000 ft., fruit Feb. ; Lorrain without number ; **Lakher name** *Awsi charu*.

429. **Emilia scabra** DC.
Wenger 420, clearings, waysides and riverbeds 1,000-4,000 ft , flowers Feb.

430. **Eupatorium cannabinum** Linn.
Parry 345, Champhai 5,000 ft., flowers Oct., white.

431. **Eupatorium odoratum** Linn.
Parry 434, Saza 2,000 ft., flowers Dec., mauve ; **Lushai name** *Tlangsam*, **Lakher name** *Tlasapa* ; Lorrain without number ; Wenger 425, common everywhere up to 4,000 ft., flowers Dec.-Jan., pale lavender, scented ; **Lushai name** *Tlang-samhlo*.

432. **Gerbera piloselloides** Cass.
Parry 161, Champhai 5,000 ft., flowers May, white ; Wenger 442, 44 miles South East of Lungleh, 4,000 ft., "sides of marshy valley among tall reeds and grasses", flowers Feb.

433. **Gnaphalium luteo-album** Linn.
Gage without number, 15 miles South East of Lungleh ; Lorrain without number, "flowers and leaves edible" ; **Lakher name** *Alarypa* ; Wenger 407, common in clearings, waysides and gardens 1,500-4,000 ft., leaves silvery, flowers Feb., bright yellow.

434.* **Gynura auriculata** Cass. var. puberula C. B. Clarke
Lushai name *Buar*.

435. **Gynura nepalensis** DC.
Parry 456, Sherkor 4,000 ft., flowers and fruit Jan., flowers orange yellow ; **Lushai name** *Buar* ; Parry 646, Aijal 3,000 ft., flowers March, bright orange ; **Lushai name** *Khamvailho*.

436. **Inula eupatorioides** DC.
Parry 427, Sialsuk 5,000 ft. flowers Dec., bright yellow.

437. **Inula nervosa** Wall.
Wenger 375, 60 miles, South East of Lungleh 6,000-6,500 ft., grassy spaces on top of Blue Mountain, flowers Dec.

438.* **Inula rubricaulis** Benth.

439. **Lactuca graciliflora** DC.
Parry 407, Aijal 3,000 ft., flowers and fruit Oct., flowers dull red.

440. **Lactuca macrorhiza** Hook. f.
Wenger 378, Blue Mountain 6,500 ft., in crevices of rocks near the peak, forming beautiful patches, flowers Dec., clear pale blue.

441. **Laggera alata** Schultz-Bip.
Parry 344, Champhai 5,000 ft., flowers Oct., mauve ; Parry 495, Zongling 4,000 ft., flowers and fruit Jan., flowers pink ; **Lushai name** *Buar* ; Wenger 403, 414, in clearings and open spaces 1,500-4,000 ft., flowers Feb.

442. **Laggera flava** Benth.
Wenger 404, in clearings and waysides 2,000-4,000 ft., flowers Feb., bright canary yellow.

443. **Laggera pterodonta** Benth.
Gage 151, 15 miles South East of Lungleh, fruit April.

444. **Leucomeris decora** Kurz.
Parry 122, Chakang 5,000 ft., flowers Feb., when leafless, fragrant.

445. **Saussurea affinis** Spr.
Wenger 376, in open grassy land at summit of Blue Mountain 6,000-6,500 ft., flowers and fruit Nov. ; Wenger 422, 4,500 ft., fruit Feb.

446. **Saussurea deltoidea** DC.
Wenger 409, in clearings and open spaces 3,000-4,000 ft., flowers Feb., yellowish.

447. **Senecio densiflorus** Wall.
Wenger 421, 4,000 ft., flowers Feb., pale yellow, a straggling bush in thin forest.

448. **Senecio lushaiensis** C. E. C. Fischer
Parry 574, Phongpui 7,000 ft., flowers Jan., bright yellow.

449. **Senecio saxatilis** Wall.
Parry 342, Champhai 5,000 ft., flowers Oct, bright yellow.

450. **Senecio scandens** Don.
Wenger 424, in thin forest 3,500-4,500 ft., flowers Feb., bright yellow, climbing loosely over bushes.

451. **Senecio triangulatus** Ham. var.
Parry 84, Phongpui 6,000 ft.

452. **Siegesbeckia orientalis** Linn.
Gage 162, 15 miles South East of Lungleh, fruit April.

453. **Sonchus arvensis** Linn.
Wenger 446, 1,000-4,000 ft., flowers Feb., yellow.

454. **Spilanthes acmella** Linn. var. **oleracea** C. B. Clarke
Parry 115, Sherkor 4,000 ft., flowers Feb., eaten as a vegetable.

455. **Vernonia blanda** DC.
Parry 585, Darzo 5,000 ft., flowers and fruit Jan., flowers dull yellow ; Gage 13, Lungleh 3,000 ft., fruit March.

456. **Vernonia cinerea** Less.
Lorrain without number ; Wenger 417, 2,000-4,000 ft., common along way sides, flowers Feb., purple.

457. **Vernonia divergens** Benth.

458. **Vernonia extensa** DC.
Parry 556, Phongpui 6,000 ft., flowers Jan., bright mauve ; Wenger 416, in thin forest 3,000-4,000 ft.

459. **Vernonia Parryæ** C. E. C. Fischer

Parry 507, Vombuk 5,000 ft., flowers and fruit Jan., flowers mauve.

460. **Vernonia saligna** DC.

Wenger 304, 2,700-3,500 ft., flowers March, mauve, bush 4 ft. high.

461.* **Vernonia scandens** DC.

462. **Vernonia subsessilis** DC.

Parry 493, Zongling 4,000 ft., flowers Jan., mauve.

463. **Vernonia teres** Wall.

Parry 349, Champhai 4,000 ft., flowers Oct., purple.

LXV. Campanulaceæ.

464. **Campanula colorata** Wall.

Wenger 365, grassy spots on rocky ground on top of Blue Mountain 6,500 ft., flowers Nov.

465. **Campanula fulgens** Wall.

Parry 25, Ramri 3,000 ft., flowers July bright blue.

466. **Campanumœa celebica** Bl.

Gage 202, between Lungleh and Ridge Camp 3,000 ft. flowers and fruit April.

467. **Campanumœa javanica** Bl.

Parry 315, Kawthlir 2,000 ft., flowers Oct., and N. Vanlaiphai 5,000 ft., fruit Oct.; **Lushai name** *Naolain*; Wenger 225, 3,000-4,000 ft, flowers Sept.

468.* **Campanumœa parviflora** Benth.

469. **Lobelia affinis** Wall.

Parry 170, Sailam 5,000 ft. and Tawkzawl 4,000 ft., flowers May, blue fading yellow; Lorrain without number.

470. **Lobelia paramidalis** Wall.

Parry 489, Zongling 4,000 ft., flowers Jan., white; **Lushai name** *Berawchal*.

Do do var.

Parry 490, Chapi 4,000 ft., flowers Jan., white; **Lushai name** *Berawchal*.

Do do var.

Parry 539, Chakang 5,000 ft., flowers Jan., white with blue pistil; **Lushai name** *Berawchal*.

471.* **Pratia begonifolia** Lindl.
Lushai name *Chaokathi.*

LXVI. Vacciniaceæ.

472. **Agapetes saligna** Hook. f. var.
Parry 120, Chakang 5,000 ft., flowers Feb., red.

473. **Agapetes variegata** Don.
Wenger without number, 4,000 ft., flowers April-May.

474. **Vaccinium Donianum** Wight
Parry 157, Champhai 6,000 ft., flowers April, white; Parry 300, Champhai 6,000 ft, fruit May, black sweet, edible; **Lushai name** *Sirte.*

475. **Vaccinium exaristatum** Kurz
Parry 15, Kawthlir 4,000-6,000 ft., flowers April, white or pink, fruit July; **Lushai name** *Sirkham.*

476.* **Vaccinium Griffithianum** Wight

477. **Vaccinium serratum** Wight
Parry 140, Phongpui 6,000 ft., "undergrowth in jungle", flowers Feb., white; Parry 297, Hmuifang 5,000 ft., fruit Aug., dark blue; Lorrain without number.

LXVII. Ericaceæ.

478. **Pieris ovalifolia** D. Don
Parry 109, Chakang 6,000 ft., fruit Feb.; **Lushai name** *Tlangham.*

479. **Rhododendron Kingianum** Watt
Parry 2, Phongpui 7,000 ft., flowers Feb.; **Lushai name** *Chhoklei,* **Lakher name** *Pawchha.*

480. **Rhododendron Parryæ** Hutch.
Parry 146, Phongpui 6,000 ft., fruit Feb.; **Lushai name** *Chhoklei,* **Lakher name** *Pawchha.* This species flowered both at the Kew and Edinburgh Gardens from seed sent by Mrs. Parry. The flowers are white with a yellow blotch and are fragrant.

481. **Rhododendron Veitchianum** Hook.
Parry 1, Phongpui 7,000 ft., flowers Feb., white, an epiphyte ; **Lushai name** *Chhoklei*, **Lakher name** *Pawchha.*

LXVIII. Monotropaceæ.

482. **Monotropa uniflora** Linn.
Parry 357, Hlaikhan 3,000 ft., flowers Oct., white.

LXIX. Primulaceæ.

483.* **Lysimachia evalvis** Wall. var. **sessiliflora.**
484.* **Lysimachia japonica** Thunb.

LXX. Myrsinaceæ.

485. **Antistrophe oxyantha** A. DC.
Gage 143, 15 miles South East of Lungleh, fruit April.
486. **Ardisia attenuata** Wall.
Parry 98, Moshie 5,000 ft.
487. **Ardisia colorata** Roxb.
Gage 237, between Ridge Camp and Lungsin 2,500 ft, fruit April.
488. **Ardisia Griffithii** C. B. Clarke
Parry 404, Paikai 3,000 ft., flowers Oct., bright pink.
489. **Ardisia macrocarpa** Wall.
Parry 97, Mawhre 5,000 ft., fruit Feb.; Parry 538, Phongpui 5,000 ft., fruit Jan., bright red ; **Lushai name** *Vahritthei.*
490.* **Ardisia nerilifolia** Wall.
491.* **Ardisia oblonga** DC.
492. **Ardisia paniculata** Roxb.
Gage 66, Demagiri 1,000 ft., flowers March.
Do do var. Hookeri C. B. Clarke
493. **Ardisia solanacea** Roxb.
Parry 162, Mimbung 5,000 ft., flowers May, pale pink ; **Lushai name** *Zernal.*

494. **Ardisia Thomsonii** Mez
Parry 478, Sairep 5,000 ft., fruit Jan., red.

495.* **Embelia Nagushia** Don
Lushai name *Tling*.

496.* **Embelia robusta** Roxb.

497. **Embelia ribes** Burm.
Gage 122, Lungleh 3,000 ft., fruit April.

498.* **Mæsa Chisia** Don

499. **Mæsa indica** Wall.
Parry 165. Chhinchip 4,000 ft., flowers Feb., cream; Gage 2 Lungleh 3000, ft., flowers and fruit March.

500. **Mæsa montana** A. DC.
Parry 662, Aijal 3,000 ft, flowers and fruit April, flowers cream, fruit yellow; **Lushai name** *Arngen*, **Lakher name** *Siahria*.

501. **Mæsa paniculata** A. DC.
Gage 22, Lungleh 3,000 ft., flowers March.

502. **Mæsa ramentacea** A. DC.
Parry 106, Mawhre 5,000 ft., flowers Feb., white.

503. **Myrsine semiserrata** Wall.
Gage 93, Helio Hill, Lungleh 3,700 ft., fruit April.

LXXI. Sapotaceæ

504. **Sarcosperma arboreum** Benth.
Parry 624, Aijal 3,000 ft., flowers Feb.

505.* **Sideroxylum tomentosum** Roxb.
Lushai name *Maudo*.

LXXII. Styracaceæ.

506. **Styrax serrulatum** Roxb.
Parry 222, Aijal 3,000 ft., flowers April: Wenger without number, 4,000 ft., flowers Aug.; **Lushai name** *Thingthiang*.

Do do var. agrestis C. B. Clarke
Gage 238, 15 miles South East of Lungleh, buds April.

507. **Symplocos cratægioides** Ham.
Parry 173, Lailiphai 5,000 ft., flowers May.

508.* **Symplocos racemosa** Roxb. var. **khasiana** C. B. Clarke

509.* **Symplocos spicata** Roxb. var. **attenuata** Wall. ex. C. B. Clarke.

510. **Symplocos** sp. prox. S **Hookeri** C. B. Clarke
Gage 239, 15 miles. South East of Lungleh, fruit April.

LXXIII. Oleaceæ.

511. **Jasminum anastomosans** Wall.
Parry 152., S. Vanlaiphai 5,000 ft., flowers March, white; Parry 598, Chhinchip 4,000 ft., flowers Jan.; Parry 598*a*, Zobawk 3,000 ft., flowers Feb., fragrant; Gage 49, Lungleh 3,000 ft.

512. **Jasminum attenuatum** Roxb.
Parry 673, Chekawn 3,000 ft., flowers March.

513.* **Jasminum caudatum** Roxb.

514. **Jasminum coarctatum** Roxb.
Parry 13, Darlawn 2,000 ft., flowers April, white, fragrant; Parry 159, Selengkawn 3,000 ft., flowers May; Gage 275, Lungleh 3,000 ft., flowers April.

515. **Jasminum flexile** Vahl. var. **Hookeriana** C. B. Clarke
Parry 320, Kawthlir 3,000 ft., flowers Oct., white; Parry 558, Phongpui 7,000 ft., flowers and fruit Jan., fruit black; Wenger 372, in forest on spur of Blue Mountain 3,500-4,000 ft., flowers Nov., scented.

516. **Jasminum glanduloseum** Wall.
Parry 61, Lungleh 4,000 ft., flowers July, white, fragrant.

517. **Jasminum grandiflorum** Linn.
Lorrain without number.

518. **Jasminum laurifolium** Roxb.
Parry 169, Champhai 6,000 ft. flowers May, white.

519. **Jasminum Listeri** King ex Gage
Gage 78, Lungleh 3,000 ft., flowers April, white.

520. **Jasminum scandens** Vahl.
Parry 425, Thenzawl 3,000 ft. flowers Dec., white.

521.* **Jasminum subglandulosum** Kurz

522. **Jasminum Wengeri** C. E. C. Fischer
Wenger without number, 3,000 ft., flowers Aug., white.

523. **Ligustrum robustum** Bl.
Parry 188, Champhai 5,000 ft., flowers May, white, fragrant ; Parry 542, S. Vanlaiphai 5,000 ft., fruit Jan., black ; **Lushai name.** *Chawmzil* ; Gage 99. Helio Hill, Lungleh 3,700 ft., fruit April ; Wenger 339, common in forest 3500-4,000 ft., flowers and fruit July, small tree covered with dense masses of creamy, strongly scented flowers.

524.* **Linociera terniflora** Wall.

LXXIV. Apocynaceæ.

525. **Alstonia scholaris** R. Br.
Lorrain without number ; Thuomriat. **Lakher names** *Lavati, Kihlo-to.*

526. **Anodendron paniculatum** A. DC.
Gage 81, 97, Lungleh 3,000 ft., flowers and fruit April ; **Lushai name** *Theikelki.*

527. **Chonemorpha macrophylla** G. Don
Parry 233, Aijal 3,500 ft., flowers June.

528. **Ervatamia coronaria** Stapf
Gage 199, between Lungleh and Ridge Camp 3,000 ft., flowers April ; Lorrain without number ; **Lushai name** *Pararsi*, **Lakher name** *Baly*.

529. **Holarrhena antidysenterica** Wall.
Parry 503, Siachhung 2,000 ft. ; **Lushai name** *Thlengpa.*

530. **Melodinus khasianus** Hook. f.
Parry 596, Darzo 5,000 ft., fruit Jan.

531. **Melodinus monogynus** Roxb.
Gage 240, Lungleh 3,000 ft., flowers April.

532. **Rauwolfia serpentina** Benth.
Lorrain without number.

533. **Rhynchodia Wallichii** Benth.
Parry 183, Tawkzawl 2,000 ft., flowers May, white.

534. **Willughbeia edulis** Roxb.
Parry 294, Mat River ferry 2,000 ft, fruit July, bright yellow ; **Lushai name** *Vuakdup*.

535. **Wrightia tomentosa** Roem. et Sch.
Wenger without number. Hleng.

LXXV. Asclepiadaceæ.

536. **Ceropegia macrantha** Wight
Wenger 314, in open forest 50 miles South of Lungleh 4,000 ft., flowers Sept., irregularly striped with purple.

537. **Cynanchum Wallichii** Wight
Wenger 438, in thin forest on Blue Mountain 4,500 ft.

538.* **Heterostemma alatum** Wight

539. **Hoya burmanica** Rolfe ?
Parry 136, Phongpui 6,000 ft., fruit Feb. ; **Lushai name** *Hnacha. Hnahchhah.*

540. **Hoya Griffithii** Hook. f.
Parry without number, Southern Division 3,000 ft., flowers Oct. ; **Lushai name** *Hnacha.*

541. **Hoya lanceolata** Wall.
Parry 488, Sherkor 4,000 ft., **Lushai name** *Hnacha.*

542. **Hoya longifolia** Wall.
Parry 26, 27, 28, Sairep 5,000 ft., flowers July, white ; **Lushai name** *Hnacha.*

543. **Hoya parasitica** Wall.
Parry 307, Chiappui 5,000 ft., flowers April, white with pink centre ; **Lushai name** *Hnacha.*

544.* **Toxocarpus himalensis** Falc.

LXXVI. Loganiaceæ.

545. **Buddleia asiatica** Lour.
Gage without number, common everywhere ; Wenger 437, Blue Mountain 4,000 ft., flowers Feb., pure white ; **Lushai name** *Serial*, **Lakher names** *Chatana, Napichatana.*

546. **Buddleia macrostachya** Benth.

Parry 124, Satlongchhuah 5,000 ft., flowers Feb., purple, fragrant ; Parry 466, Chhuarlung 5,000 ft., flowers Jan., mauve with red centre ; Parry 552, 553, Phongpui 7,000 ft., flowers Jan., mauve with brighter or with red centre ; **Lushai name** *Nuaiphawn* ; Wenger 431, 432, 433, Blue Mountain 4,500 ft., flowers Feb., pale pink.

547. **Buddleia paniculata** Wall.

Parry 125, Satlongchhuah 5,000 ft , flowers Feb., magenta, tube pink within.

548. **Fagræa obovata** Wall.

Parry 487, Tuipang 4,000 ft., fruit Jan. ; Wenger 340, 1,500-3,000 ft., flowers and fruit June, juice of fruit very sticky ; **Lushai name** *Thosawi*.

549. **Gelsemium elegans** Benth.

Parry 322, Tuisenhnar 4,000 ft., flowers Oct., yellow ; **Lushai name** *Hnamtur*, **Lakher name** *Chamai*.

LXXVII. Gentianaceæ.

550. **Canscora andrographioides** Griff.

Parry 599, Chhinchip 4,000 ft., flowers Jan., white with brown marks ; **Lushai name** *Keltur*.

551.* **Canscora diffusa** R. Br.

552. **Crawfurdia fasciculata** Wall.

Wenger 366, Blue Mountain 5,000 ft., in forest climbing over undergrowth, flowers Nov., dark blue.

553. **Crawfurdia japonica** Sieb. et Zucc.

Parry 575, Phongpui 7,000 ft., flowers and fruit Jan., flowers white with red marks, fruit red.

554. **Exacum tetragonum** Roxb,

Parry 81, Lailiphai 5,000 ft., flowers Oct., bright blue ; **Lushai name** *Parkhawdur*.

555. **Gentiana Loureiri** Griseb.

Parry 179, Champhai 5,000 ft., flowers May, ranging from white to dark blue.

556. **Gentiana napuligera** Franch.
Parry 21, 22, Champhai 5,000 ft., flowers July, pale blue.

557. **Gentiana nudicaulis** Kurz
Parry 138, Phongpui 4,000 ft., flowers Feb., light blue.

558. **Gentiana Parryæ** Marquand
Parry 168, Lailiphai 5,000 ft., in shade, flowers May, bright blue.

559. **Gentiana pedicellata** Wall.
Parry 153, S. Vanlaiphai 5,000 ft., flowers March, bright blue.

500.* **Limnanthemum cristatum** Griseb.

561. **Swertia cordata** Wall.
Wenger 363, in grassy patches in forest on Blue Mountain 6,000 ft., flowers Dec., mauve tinted.

562. **Swertia nervosa** Wall.
Wenger 364, in grassy patches in forest on the summit of Darjow Mountain 5,000 ft , flowers Dec.

563. **Swertia paniculata** Wall
Wenger 362, in grassy patches in forest on Blue Mountain 6,000 ft., flowers Dec., blue.

564. **Swertia pulchella** Ham.
Parry 346, Champhai 5,000 ft., flowers Oct., pale blue ; Lushai name *Khawsikdamdawi.*

LXXVIII. Boraginaceæ.

565.* **Cordia fragrantissima** Kurz

566.* **Cynoglossum furcatum** Wall.
Lushai name *Kelchabet.*

567. **Ehretia Wallichiana** Hook. f. et T.
Gage 84, 184, Lungleh 3,000 ft., flowers and fruit April.

568. **Heliotropium indicum** Linn.
Gage without number, common, flowers and fruit March-April.

569. **Trichodesma khasianum** C. B. Clarke
Parry 508, Vombuk 5,000 ft., flowers Jan., white; **Lushai name** *Kawldai*; Wenger 427, 4,500 ft., flowers Feb., a straggling bush up to 15 ft. high.

570.* **Tournefortia Candollei** C. B. Clarke

571. **Tournefortia Roxburghii** C. B. Clarke
Gage 181, Lungleh, 3,000 ft., fruit April.

LXXIX. Convolvulaceæ.

572.* **Argyreia Wallichii** Choisy
* **Do do** var. **coriacea** C. B. Clarke
Lakher names *Nauhri*, *Thanghna*.

573.* **Calonyction bona-nox** Boj. var. **grandiflora**.

574. **Erycibe paniculata** Roxb. var. **peguensis** Hook. f.
Wenger 373, open forest on spur of Blue Mountain 3,500 ft., flowers Nov., sweet scented, snow white.

575.* **Ipomœa cymosa** Roem. et Sch.
Lushai name *Voktesentil*.

576. **Ipomœa hederacea** Jacq.
Parry 321, Kawthlir 2,000 ft., flowers Oct., bright blue.

577. **Ipomœa Kingii** Prain
Gage 76, Lungleh 3,000 ft., flowers and fruit April.

578. **Ipomœa vitifolia** Sweet
Gage 241, Demagiri 1,000 ft., fruit April.

579. **Lettsomia strigosa** Roxb.
Parry 592, Darzo 5,000 ft., fruit Jan., bright red; Lorrain 5; **Lakher name** *Itamei*.

580. **Lettsomia** sp. prox. L. **Mastersii** Prain
Parry 455, Tuipui 2,000 ft., fruit Jan., black; **Lushai name** *Hneminuchu*.

581. **Porana paniculata** Roxb.
Wenger 55, South East of Lungleh 4,000 ft., climbing over bushes in open lightly wooded lands, flowers Dec.

582, **Porana racemosa** Roxb.
Parry 393, Chhinchip 4,000 ft., flowers Oct,, white; Lorrain without number.

583, **Quamoclit phœnicia** Choisy
Parry 431, Saza 2,000 ft., flowers Dec.; **Lushai name** *Nipuipar*.

LXXX. Solanaceæ.

584.* **Capsicum frutescens** Linn.
Lushai name *Anhling*.
Do do var. baccata.
Lorrain without number, fruit small, red, very hot; **Lakher name** *Ahia, Chili*.

585. **Datura fastuosa** Linn.
Gage 1, Lungleh 3,000 ft., flowers March.

586.* **Lycianthes pachypetala** Bitter

587. **Lycianthes subtruncata** Bitter
Parry 282, Sairep 5,000 ft., flowers and fruit July, flowers white, fruit red; **Lakher name** *Vanian*.

588. **Nicotiana Tabaccum** Linn.
Gage without number, common, flowers March-April; Lorrain without number; **Lakher name** *Oma*.

589.* **Physalis minima** Linn.
Lushai name *Kelasariphit*; **Lakher name** *Shie*.

590.* **Solanum ferox** Linn.

591. **Solanum indicum** Linn.
Gage 91, Lungleh 3,700 ft., fruit April; **Lushai name** *Satawk*.

592.* **Solanum lysimachioides** Bitter

593. **Solanum Melongena** Linn.
Lorrain without number; **Lushai name** *Rulpuk*, **Lakher name** *Kaovi*.

594. **Solanum torvum** Swartz
Gage 242, Lungleh 3,000 ft., flowers April; **Lushai name** *Tawkpui*.

LXXXI. Scrophulariaceæ.

595.* **Alectra indica** Benth.

596.* **Bonnaya reptans** Spr.

597. **Buchnera cruciata** Ham.
Parry 338, Champhai 5,000 ft., flowers and fruit Oct., flowers bright magenta.

598. **Centranthera grandiflora** Benth.
Parry 242, N. Vanlaiphai 5,000 ft. flowers Nov., bright yellow with brown anthers.

599. **Centranthera hispida** R. Br.
Parry 341, Champhai 5,000 ft., flowers and fruit Oct., flowers pink.

600. **Hemiphragma heterophyllum** Wall.
Parry 141, Phongpui 6,000 ft., flowers and fruit Feb., flowers pale mauve, fruit red; Wenger 430, Blue Mountain 6,500 ft., in open grass land creeping over grass, fruit Feb., black.

601. **Limnophila chinensis** Merr.
Parry 334, 335, Champhai 5,000 ft., flowers Dec., blue.

602.* **Limnophila hypericifolia** Benth.

603.* **Limnophila sessiliflora** Bl.

604. **Lindenbergia philippinensis** Benth.
Gage 244, Demagiri 1,000 ft., flowers April.

605. **Lindenbergia ruderalis** Voigt
Parry 329, Tuisenhar 4,000 ft., flowers Oct.; Parry 515, Siachhung on the Koladyne River 2,000 ft., flowers and fruit Jan.; Parry 540, Darzo 5,000 ft.

606. **Mazus rugosus** Lour.
Gage 164, Lungleh 3,000 ft., flowers April; Lorrain without number.

607. **Pedicularis corymbosa** Prain
Parry 340, Champhai 5,000 ft., flowers Oct., pale mauva turning pink.

608. **Pedicularis gracilis** Wall. var. **khasiana** Prain
Wenger 359; 65 miles South East of Lungleh 6,000 ft., on grass coverd peak, flowers Dec., dark red.

609. **Scoparia dulcis** Linn.
Lorrain without number.

610. **Sopubia trifida** Ham.
Parry 350, Champhai 5,000 ft., flowers and fruit Oct.

611. **Torenia peduncularis** Benth.
Parry 37, Aijal 3,000 ft., flowers July.
Do do var.
Parry 38, Sibutalung 2,000 ft., flowers July.

612. **Torenia vagans** Roxb.
Gage 243, Lungleh 3,000 ft., flowers April.

613. **Vandellia mollis** Benth.
Parry 166, Naosel 2,000 ft., flowers May, white with brown markings.

614. **Vandellia** sp.
Parry 334, 335, Champhai 5,000 ft., flowers Oct., purple.

615. **Wightia gigantia** Wall.
Parry 101, Laki 5,000 ft., flowers Feb., pink turning mauve, leafless when flowering; Lushai name *Chongtlai*

LXXXII. Orobanchaceæ.

616. **Aeginetia indica** Roxb.
Parry 256, Champhai 5,000 ft., flowers Oct.; Lushai name *Zawktevaibel*.

LXXXIII. Lentibulariaceæ.

617. **Utricularia bifida** Linn.
Parry 332, Champhai 5,000 ft., flowers and fruit Oct., flowers yellow.

618. **Utricularia brachiata** Oliv.
Parry 326, Tuisenhnar 4,000 ft., flowers and fruit Oct., flowers white.

619. **Utricularia racemosa** Wall.
Parry 331, Champhai 5,000 ft., flowers and fruit Oct., flowers mauve.

620. **Utricularia striata** Sm.
Parry 255, Hmuifang 5,000 ft., flowers Aug., mauve, on mosscovered stones.

LXXXIV. Gesneriaceæ.

621.* **Aeschynanthus acuminata** Wall.

622.* **Aeschynanthus gracilis** Parish.

623. **Aeschynanthus maculata** Lindl.
Parry 257, Aijal 4,000 ft., flowers Aug., bright red with mauve stamens; **Lushai name** *Bawltehlantai*.

624. **Aeschynanthus Mannii** Kurz
Parry 142, Phongpui 6,000 ft., flowers Feb., bright red.

625. **Aeschynanthus superba** C. B. Clarke
Parry 323, Tuisenhnar 4,000 ft., flowers Oct., mottled dull red and cream; Wenger 227, Zobawk 4,500 ft., climbing over great trees.

626. **Bœa hygrometrica** R. Br.
Parry 14, Champhai 4,000 ft., flowers and fruit July, flowers very pale mauve, on rocks and banks in shade near waterfall.

627. **Chirita acuminata** R. Br.
Parry 327, Tuisenhnar 4,000 ft., flowers and fruit Oct., flowers white.

628. **Chirita hamosa** R. Br.
Wenger 391, 20 miles East of Lungleh 2,000 ft., on moist rocks and steep banks, flowers and fruit Oct., flowers dull yellow or dirty white.

629. **Chirita pumila** D. Don
Parry 31, Hmuifang 5,000 ft., on wet stones, flowers July, white tinged with blue and yellow.

630. **Didymocarpus adenocarpa** C. E. C. Fischer
Wenger 239, 4,500 ft., flowers and fruit Sept., calyx reddish brown, corolla white tinged with pink, in shady forest; Wenger 347, 10 miles South of Lungleh, in forest among boulders 5,000 ft., leaves up to 17 cm. by 12·5 cm., some very broadly ovate with inequilateral base.

631.* **Didymocarpus Mortoni** C. B. Clarke

632. **Didyamocarpus Parryorum** C. E. C. Fischer
Parry 7, Sairep, Lungleh and N. Vanlaiphai 4,000-5000 ft., flowers and fruit Feb.-July, bracts yellow, corollas orange yellow.

633. **Didymocarpus Rodgeri** W. W. Smith et Banerji
Parry 16, Hmuifang 5,000 ft., flowers pale pink with darker stripes; Wenger 237, 4,000-5,000 ft., on tree trunks, flowers July-Sept.

634. **Didymocarpus Wengeri** C. E. C. Fischer
Wenger 1, 3,000-4,000 ft., flowers Aug, red, on rocky banks in shade; Parry 452, Tuipang 4,000 ft., fruit Jan.

635. **Lysionotus serrata** D. Don
Parry 29, Leite 4,000 ft., flowers and fruit July, flowers pale blue with yellow markings, on moss-covered trees and stones; Parry 30, Aijal 3,000 ft.

636. **Petrocosmea Parryorum** C. E. C. Eischer
Parry 8, Mallung on the Chin border and Vanlaiphai 5,000 ft., flowers and fruit Nov., flowers deep blue; Parry 8a, Phongpui 5,000 ft. fruit Feb.; Wenger 226, 3,500-4,000 ft., on wet rocks, flowers Aug.

637.* **Rhynchoglossum obliquum** Bl.

638.* **Rhynchotechum ellipticum** A. DC.
Lushai name *Tiarep*.

639. **Stauranthera grandiflora** Benth.
Parry L.

640. **Stauranthera umbrosa** C. B. Clarke
Parry 239, Chekawn 3,000 ft., flowers July, pale blue, yellowish within.

641.* **Trisepalum Kingii** C. B. Clarke

642. **Trisepalum lineicapsa** C. E. C. Fischer
Parry 79, Aijal 4,000 ft., flowers and fruit Sept., flowers claret coloured; Parry 262, Hmuifang 5,000 ft., flowers Aug.; Wenger 238, 2,000-4,000 ft., flowers Aug.

LXXXV. Bignoniaceæ.

643. **Oroxylum indicum**, Vent.
Gage without number, Lungleh 3,000 ft.

644.* **Spathodia stipulata** Benth.
Lushai name *Zihhaw.*

645. **Stereospermum chelonoides** DC.
Parry L. ; **Lushai name** *Zihnghal* ; **Lakher name** *Pazi.*

646. **Stereospermum glandulosum** Miq.
Gage 153, 15 miles South East of Lungleh, flowers April.

647. **Stereospermum neuranthum** Kurz
Parry L. ; **Lushai name** *Zihhaw.*

648. **Stereospermum tetragonum** DC.
Wenger without number.

LXXXVI. Acanthaceæ.

649. **Acanthus leucostachys** Wall.
Parry 623, Bukpui 3,000 ft., flowers Feb., white with brown dots ; **Lushai name** *Lamba* ; Gage 141, 15 miles South East of Lungleh, flowers April.

650. **Adhatoda Vasica** Nees
Parry 492, Zongling 4,000 ft., flowers Jan., white ; **Lushai name** *Kawldai*, **Lakher name** *Kodia.*

651.* **Andrographis paniculata** Nees

652.* **Andrographis tenuiflora** T. And.
Lushai name *Hlochangvom.*

653. **Asystasia pusilla** C. B. Clarke
Parry 381, Keitumkawn 2,000 ft., flowers Nov., white with red spots.

654. **Asystasiella Neesiana** Lindau
Parry 302, N. Vanlaiphai 5,000 ft., flowers Oct., mauve.

655. **Barleria cristata** Linn.
Parry 336, Neidawn 4,000 ft., flowers Oct., blue.

656. **Barleria strigosa** Willd.
Parry L.

657.* **Codonacanthus pauciflorus** Nees

658. **Dædalacanthus purpurascens** T. And.
Parry 156, Satlongchhua, Koladyne River, flowers March, blue.

659. **Dædalacanthus strictus** T. And.
Parry 3, common on hot dry banks, flowers Feb., blue.

660.* **Dædalacanthus tetragonus** T. And.

661. **Dædalacanthus tubiflorus** T. And.
Parry 92, Lungpher 3,000 ft., flowers Feb., bright magenta pink.

662. **Dicliptera Roxburghiana** Nees var. **bupleuroides** Nees
Parry 464, Tawipui 2,000 ft., flowers Jan., bright magenta pink.

Do do var. **linearis** Kurz
Gage 135, 15 miles South East of Lungleh, flowers April.

663. **Echinacanthus Andersonii** C. B. Clarke var. **viscosus** C. B. Clarke Parry 421, Howlong 3,000 ft., flowers Dec., blue; Lushai name *Ramting*.

664. **Echinacanthus attenuatus** Nees
Parry 248, Chekawn 3,000 ft., flowers July; Lushai name *Vangvatthur*. "The juice of the leaves is used against leach bites".

665. **Eranthemum album** Nees
Gage 64, Lungleh 3,000 ft., flowers March.

666.* **Eranthemum lateriflorum** C. B. Clarke

667. **Eranthemum nervosum** R. Br.
Wenger 445, Mat River 18 miles East of Lungleh 1,200 ft., among rocks on bank, flowers Feb.

668. **Eranthemum palatiferum** Nees
Wenger 228, on wet rocks and soil by streams 3,500 ft., flowers and fruit Sept.

Do do var. **levicapsa** C. B. Clarke
Parry 11, Nasel and Tuivolmukh 2,000 ft., flowers July.

669. **Hemigraphis hirta** T. And.
Gage 251, Lungleh 3,000 ft., flowers and fruit April.

670. **Justicia khasiana** C. B. Clarke

Parry 352, Champhai 5,000 ft., flowers Oct., magenta with white markings. •

671.• **Justicia procumbens** Linn. var. **latispica** C. B. Clarke

672. **Justicia vasculosa** Wall.

Parry 580, Phongpui 5,000 ft., flowers Jan., white, pinkish brown within.

Do do var.

Parry 579, Phongpui 5,000 ft, flowers Jan, white, lip with pinkish brown spots.

673. **Lepidagathis hyalina** Nees

Parry 432, Saza 2,000 ft., flowers Dec., yellow with crown markings; Gage 250, Demagiri 1,000 ft, fruit April.

674. **Nelsonia campestris** R. Br.

Parry 226, Aijal 3,500 ft., flowers April. mauve; Wenger 439, 2,000-4,000 ft., common, creeping among grasses, fruit Feb.

675. **Peristrophe fera** C. B. Clarke

Gage without number, Helio Hill, Lungleh 3,700 ft., flowers March-April.

676. **Peristrophe tinctoria** Nees

Parry 638, Aijal 3,000 ft., flowers March, magenta.

677.* **Phlogacanthus curviflorus** Nees

678. **Phlogacanthus guttatus** Nees

Parry*; Gage 190, Lungleh 3,000 ft., fruit April.

679. **Phlogacanthus tubiflorus** Nees

Gage 6, Lungleh 3,000 ft., fruit March; **Lushai name** *Vatzuk.*

680. **Phlogacanthus Wallichii** C. B. Clarke

Parry 467, Tuipang 4,000 ft., flowers Jan., yellow; Parry 655, Keitumkawn 2,000 ft., flowers March, bright orange red; **Lushai name** *Vatekhawizu.*

681. **Rhinacanthus calcaratus** Nees

Parry 102, Palak Leilet 4,000 ft., in undergrowth in shady jungle, flowers Feb., white; Gage 11, Lungleh 3,000 ft., flowers March.

682. **Rungia parviflora** Nees var. **muralis** C. B. Clarke
Gage 134, 15 miles South East of Lungleh, flowers April.
Do do var. **pectinata** C. B. Clarke
Wenger 440, 48 miles South East of Lungleh 4,500 ft., on sunny stony banks, flowers Feb., pale blue.

683. **Staurogyne argentea** Wall.
Parry 56, 57, Aijal 3,000 ft., flowers Aug. blue.

684. **Strobilanthes acrocephalus** T. And.
Wenger 383, on spur of Blue Mountain 4,000 ft., a small dense bush in open spaces, flowers Dec., spotted.

685. **Strobilanthes adnatus** C. B Clarke
Wenger 312, in damp forest 4,500 ft., flowers Aug., "a much-branched, densely gregarious shrub".

686. **Strobilanthes anisophyllus** T. And, var, **latifolius.**
Parry 395, Zobawk 2,000 ft., flowers Oct., mauve; Parry 415, Sialsuk 5,000 ft., flowers Dec., blue; Lushai name *Ramting*.

687. **Strobilanthes auriculatus** Nees
Parry 514, Mawmang Tlang 5,000 ft., flowers Jan., purple Lushai name *Ramting*.

688.* **Strobilanthes berbaevioides** T. And.
Lushai name *Ramting*.

689. **Strobilanthes capitatus** T. And.
Parry 319, Tuisenhnar 4,000 ft., flowers Oct., blue; Wenger 229, 3,500 ft., flowers Dec.; Wenger 379, 4,000-7,000 ft., flowers purple-mauve, "common almost everywhere in undergrowth"; Lushai name *Ramting*.

690.* **Strobilanthes discolor** T. And.
Lushai name *Ramting*.

691 .**Strobilanthes flaccidifolius** Nees
Parry 394, Zobawk 2,000 ft., flowers Oct., blue; Parry 416, Sialsuk 5,000 ft., flowers Dec., magenta-pink; Parry 497, Chapi 4,000 ft., flowers Jan., bright pinkish mauve, "leaves yield a blue dye"; Lushai name *Ting*, Lakher name *Ano*; Wenger 385, 3,500-4,000 ft., flowers Dec. "cultivated in all villages".

692. **Strobilanthes glomeratus** T. And.
Parry 463, Sairep 5,000 ft., flowers Jan., very dark blue; **Lushai name** *Ramting*; Wenger 231, in shady forest, flowers Aug.

693. **Strobilanthes glutinosus** Nees
Wenger 401, on spur of Blue Mountain 4,000 ft., flowers and fruit Dec.

694. **Strobilanthes Helictus** T. And.
Parry L.

695. **Strobilanthes macrostegius** C. B Clarke
Parry 578, Phongpui 5,000 ft., fruit Jan.; **Lushai name** *Ramting*.

696. **Strobilanthes maculatus** Nees
Parry 414, Sialsuk 5,000 ft., flowers Dec., pale blue; **Lushai name** *Ramting*.

697. **Strobilanthes Parryorum** C. E C. Fischer
Parry 155, Darzo 4,000 ft., flowers and fruit March, flowers white turning yellow; Parry 398, Chhinchip 4,000 ft., flowers and fruit Oct., flowers white marked with yellow; Parry 449, Sherhor 4,000 ft, flowers and fruit Jan.; **Lushai name** *Ramtinghmulmi*; Wenger 236, 4,000 ft., in shady forest, flowers Sept. 1928, "first flowering since 1922".

698. **Strobilanthes persistens** C. B. Clarke
Wenger 232, 3,500-4,000 ft., in shady forest, flowers Sept.

699. **Strobilanthes recurvus** C. B. Clarke
Parry 546, Siata 4,000 ft. flowers Jan., dark blue; **Lushai name** *Ramting*; Wenger 384, Blue Mountain 3,000-4,000 ft.

700. **Strobilanthes rhombifolia** C. B. Clarke
Wenger 382, 3,500-4,000 ft., flowers Nov., mauve-purple, "struggling shrub in forest undergrowth".

701. **Strobilanthes rufescens** T. And. var. **rubiginosus** C. B. Clarke.
Wenger 380, Blue Mountain 4,000 ft., in open spaces on spurs, flowers Dec., mauve with deeper spots; Wenger 381, 2,500 ft., undergrowth in forest.

702. **Strobilanthes Sabianus** Nees

Parry 413, Sialsuk 5,000 ft., flowers Dec., white tinged yellow; **Lushai name** *Ramting*; Wenger 234, 3,500-4,000 ft., in shady forest, flowers Sept. 1928, "first flowering since 1922".

703. **Strobilanthes Simonsii** T. And.

Parry 203, Tuizenhnar 4,000 ft., flowers April, white; **Lushai name** *Ramting*; Wenger 311, 4,500 ft. flowers Aug., pure white, "a much-branched, gregarious shrub in forest".

704. **Thunbergia coccinea** Wall.

Parry 278, Hmuifang 5,000 ft., flowers Aug., orange red.

705. **Thunbergia grandiflora** Roxb.

Gage 211, between Ridge Camp and Lungsin 2,500 ft., flowers April; Lorrain 2; **Lakher name** *Sylyti*.

Do do Roxb. var. **axillaris** C. B. Clarke

Parry 369, N. Vanlaiphai 5,000 ft., flowers and fruit Nov., flowers blue, yellowish within.

LXXXVII. Verbenaceæ.

706. **Callicarpa arborea** Roxb.

Lorrain without number, "fruit edible"; **Lughai name** *Hnakia*, **Lakher names** *Hlakih*, *Laki*.

707. **Callicarpa rubella** Lindl.

Wenger 216, 3,500 ft., in open forest, flowers Aug.; Parry L.

708.* **Caryopteris grata** Benth.

709. **Caryopteris paniculata** C. B. Clarke

Parry 551, Siata 4,000 ft., flowers Jan., pink-mauve; **Lushai name** *Lairuangabehetel*; Gage 148, 15 miles South East of Lunglei fruit April.

710. **Clerodendron infortunatum** Gaertn.

Parry 654, Aijal 3,000 ft., flowers March, while with magenta markings; Gage 107, Lunglei 3,000 ft., flowers and fruit April.

711. **Clerodendron nutans wall.** C. B. Clarke
Parry 672, Tningphal 3,000 ft., flowers and fruit March, flowers white.

712. **Clerodendron serratum** Spreng
Wenger 5, Lungleh 3,000 ft., flowers Aug.; Lorrain without number, **Lushai name** *Leidumsuak.*

713. **Colquhounia coccinea** Wall.
Parry L.

714. **Congea tomentosa** Roxb.
Parry 609, Chekawn 3,000 ft., flowers Feb, **Lushai name** *Sahuaihrui*, **Lakher name** *Pamipaw*; Lorrain without number.

715. **Gmelina arborea** Roxb.
Gage 248, Lungleh 3,000 ft., flowers April; **Lushai name** *Thlanvawng*, **Lakher name** *Aveu.*

716. **Gmelina Hystrix** Kurz
Wenger C2, flowers April.

717. **Gmelina oblongifolia** Roxb.
Parry L.; **Lushai name** *Vawngthla.*

718. **Verbena officinalis** Linn.
Parry 228, Aijal 3,000 ft., flowers April, mauve.

LXXXVIII. Labiatæ.

719. **Ajuga macrosperma** Wall.
Parry 523, N. Vanlaiphai 5,000 ft., flowers June, bright blue; Gage 246, Lungleh 3,000 ft., flowers April.

720. **Anisochilus pallidus** Wall.
Parry 373, N. Vanlaiphai 5,000 ft., flowers Nov., mauve; Parry 403, Aijal 3,000 ft., flowers Oct.; **Lushai name** *Phulhlo.*

721. **Colebrookia oppositifolia** Sm.
Parry 518, Siata 4,000 ft., flowers Jan., fragrant; **Lushai name** *Kawithuangnuak.*

722.* **Colquhounia coccinea** Wall.

723. **Colquhounia elegans, Wall. var. pauciflora** Prain
Parry L.

724. **Dysophylla auriculatia** Bl.
Parry 267, Thenzawl 4,000 ft., flowers Aug., mauve.

725.* **Dysophylla crassicaulis** Benth.

726. **Dysophylla cruciata** Benth.
Parry 355, Champhai 5,000 ft., flowers Oct., mauve

727. **Dysophylla linearis** Benth.
Parry 337, Tuisenhnar 4,000 ft, flowers Oct, mauve

728.* **Dysophylla quadrifolia** Benth.

729. **Elsholtzia communis** Diels
Parry 462, Tawipui 2,000 ft., flowers Jan., dull mauve., Lushai name **Lengmaser.**

730.* **Elsholtzia polystachya** Benth.

731. **Gomphostemma Masterali** Benth.
Parry 58, Aijal 3,000 ft., flowers Aug., yellow.

732. **Gomphostemma parviflorum** Wall. var. **farinosum** Prain
Parry 283, Keitumkawn 2,000 ft., flowers Jan., dull yellow.

733. **Gomphostemma Wallichianum** Prain var.
Parry 85, Hmuifang 5,000 ft., flowers Jan., bright orange.

734. **Leucas ciliata** Benth.
Parry 353, Champhai 5,000 ft., flowers and fruit Oct.

735. **Leucoceptrum canum** Sm.
Parry 506, Vombuk 5,000 ft., flowers Jan., cream; Lushai name *Kawithuang.*

736. **Ocimum canum** Sims
Parry 457, Zongling 4,000 ft., flowers and fruit Jan., flowers mauve; Lushai name *Runhmul.*

737. **Orthosiphon glandulosum** C. E. C. Fischer
Wenger 272, flowers and fruit July-Aug., "undergrowth in bamboo forest", flowers white with mauve stamens; Wenger 272a, 2,500 ft., flowers and fruit July, leaves up to 27 cm. by 15 cm.

738. **Orthosiphon incurvus** Benth.
Parry 165, Naosel 2,000 ft., flowers May, pink.

739. **Orthosiphon stamineus** Benth.
Parry 238. Zobawk and Pakai 3,000 ft., flowers July, mauve.

740. **Orthosiphon Wattii** Prain
Wenger 273, Lungleh 3,000-4,000 ft., flowers and fruit Aug.-Sept., flowers with deep purple stamens and style, on shaded banks and rocks, chiefly on North and North West aspects, very local but profuse where found.

741. **Plectranthus Cœtsa** Ham.
Parry 399, Chhinchip 4,000 ft., flowers Oct., mauve.

742. **Plectranthus Gerardianus** Benth. var. **graciliflorus** Hook. f.
Wenger 370, Blue Mountain in open spaces in grass 6,000 ft., flowers Dec.

743. **Plectranthus hispidus** Benth.
Wenger 368, 369, Blue Mountain in open spaces in grass 6,000 ft., flowers Nov.-Dec., red.

744. **Plectranthus Kurzi** Prain ?
Parry 397, Aijal 3,000 ft., flowers Oct., pale mauve. "a medicinal plant".

745.* **Plectranthus striatus** Benth.

746. **Plectranthus ternifolius** D. Don
Parry 348, Champhai 5,000 ft., flowers Oct. pale mauve.

747. **Plectranthus elsholtzioides** Benth.
Parry 445, Thingphal 3,000 ft., flowers Jan, mauve, "leaves edible"; **Lushai name** *Sakhichildiah*.

748. **Pogostemon fraternus** Miq.
Gage 245, Lungleh 3,000 ft., fruit April; Parry.*

749. **Pogostemon glaber** Benth.
Gage 247, 15 miles South East of Lungleh, fruit April.

750. **Pogostemon parviflorus** Benth.
Gage 10, Lungleh 3,000 ft., fruit March.

751. **Scutellaria discolor** Colebr.
Parry 356, Hlaikhan 3,000 ft., flowers Oct., blue; **Lushai name** *Phurthaklo*; Wenger .371, near Darjow 4,000 ft., in undergrowth in light shade, flowers Nov.

752.* **Scutellaria khasiana** C. B. Clarke

753. **Scutellaria violacea** Heyne var.
Parry 163, Sailam 5,000 ft., flowers May, blue.

754. **Teucrium laxum** D. Don
Parry 453, Tuipang 4,000 ft., flowers Jan., white marked with pale pink.

LXXXIX. Plantaginaceæ.

755. **Plantago asiatica** Linn.
Gage 63, Lungleh 3,000 ft., fruit April; Lorrain without number.

XC. Amarantaceæ.

756. **Achyranthes bidentata** Bl.
Parry 248a, Phongpui 5,000 ft., **Lushai name** *Vangvatthur*.

757. **Aerva scandens** Wall.
Parry 468, Tuipang 4,000 ft., flowers Jan., pale pink; Gage 137, 15 miles South East of Lungleh, fruit April.

758. **Amaranthus viridis** Linn.
Gage 268, Lungleh 3,000 ft., flowers April; Lorrain without number, "edible, usually boiled with fish"; **Lakher name** *Adopa*.

759. **Celosia cristata** Linn.
Lorrain without number; **Lakher name** *Pawsai*.

760. **Deeringia celosioides** R. Br.
Parry 408, Zobawk 2,000 ft., flowers Oct., and Sherkor 3,000 ft., flowers Dec.

XCI. Polygonaceæ.

761. **Fagopyrum cymosum** Meissn.
Parry 280, N. Vanlaiphai 5,000 ft., flowers July, white with mauve stamens; Parry 383, N. Vanlaiphai 5,000 ft., flowers Nov.

762. **Polygonum alatum** Ham.
Gage 162, 15 miles South East of Lungleh, fruit April.

763. **Polygonum barbatum** Linn.
Parry 271, Thenzawl 3,000 ft., flowers Aug., dull red; **Lushai name** *Anbong*.

764. **Polygonum chinense** Linn.
Parry 370, N. Vanlaiphai 5,000 ft., flowers Nov., white; **Lushai name** *Taham*, **Lakher name** *Phiahapa*; Gage without number, Lungleh 3,000 ft., fruit March-April.

* **Do do do var. ovalifolia** Meissn.

765.* **Polygonum glabrum** Willd.
Lushai name *Chakaiju*.

766. **Polygonum paleaceum** Wall.
Parry 135, Phongpui 6,000 ft., flowers Feb.; Lorrain without number, 7,000 ft.

767. **Polygonum plebejum** R. Br. var. **brevifolium** Hook. f.
Parry 87, Thenzawl 3,000 ft., flowers Jan.; Lorrain without number, "whole plant edible"; **Lakher name** *Bakachia*.

768.* **Polygonum Pesumbu** Ham.

769. **Polygonum stagninum** Ham.
Parry 83, Lungleh 4,000 ft., flowers Jan., pink.

XCII. Aristolochiaceæ.

770. **Aristolochia Roxburghiana** Klotzsch
Wenger 315, Lungleh 3,000-4,000 ft., flowers July, chocolate-coloured.

771. **Aristolochia** sp.
Gage 24, Lungleh 3,000 ft., flowers March.

XCIII. Piperaceæ.

772. **Houttuynia cordata** Thunb.
Parry L.; **Lushai name** *Vatthinthing*.

773. **Peperomia reflexa** A. Dietr.
Wenger 429, Blue Mountain 5,500 ft., "on tree trunks in dense forest", flowers Feb.

774. **Piper behmeriæfolium** Wall.
Gage 47, Lungleh 3,000 ft., flowers March.

775.* **Piper munypoorensis** C. B. Clarke

776. **Piper nigrum** Linn.
Parry L. ; Lakher name *Pairi*.

777.* **Piper pedicellosum** Roxb.

778. **Piper peepuloides** Roxb.
Gage 94, 15 miles South East of Lungleh, flowers April.

779.* **Piper Thomsoni** Hook. f. var. **puberulum** C. B. Clarke.

XCIV. Chloranthaceæ.

780.* **Chloranthus brachystachys** Bl.

XCV. Myristicaceæ.

781. **Myristica longifolia** Wall.
Gage 114, 152, Lungleh 3,000 ft., fruit April ; Lushai name *Thingthi*.

XCVI. Lauraceæ.

782. **Actinodaphne macroptera** Miq. var.
Parry 9, Sairep 5,000 ft.

783. **Alseodaphne petiolaris** Hook. f.
Parry 541, Vombuk 4,000 ft., fruit Jan., purple ; Gage 75, Lungleh 3,000 ft , fruit April ; Lushai name *Khuangthul*.

784. **Bellschmiedia assamica** Meissn.
Gage 171, 15 miles South East of Lungleh, fruit April.

785.* **Cinnamomum caudatum** Nees.

786. **Cinnamomum cecicodaphne** Meissn.
Parry L. ; Lushai name *Saper*.

787. **Cinnamomum glanduliferum** Meissn.
Parry L. Lushai name *Khiangzo*.

788.* **Cinnamomum impressinervium** Meisen.

789.* **Cinnamomum obtusifolium** Nees
Lushai name *Thakthingmuk*.

790. **Cinnamomum Tamala** Nees
Gage 47, Lungleh 3,000 ft., flowers and fruit March; Wenger 215, 3,500 ft., in shady forest, buds Aug.

791. **Cinnamomum zeylanicum** Breyn
Parry L.

792. **Cryptocarya amygdalina** Nees
J. C. Prazer without number, Chagni; **Lushai name** *Thakthingsuak.*

793. **Lindera bifaria** Benth.
Parry 685, Aijal 3,000 ft., flowers April; **Lushai name** *Saper.*

794 **Lindera Meissneri** King
Parry 625, Aijal 3,000 ft. flowers Feb.

795. **Litsea chartacea** Wall.
Parry 422, Howlong 3,000 ft., flowers Dec.

796. **Litsea citrata** Bl.
Parry 469, Tuipang 4,000 ft., flowers Jan.; **Lushai name** *Sernam*, **Lakher name** *Hlarangpa.*

797.* **Litsea læta** Wall.

798. **Litsea salicifolia** Roxb. var. **attenuata** Meissn.
Gage 3, 12, Lungleh 3,000 ft., flowers March.

799. **Litsea semecarpifolia** Hook. f.
Parry 437, Hmuifang 5,000 ft., flowers Dec.; **Lushai name** *Nauthakpui*, **Lakher name** *Thlabei.*

800 * **Phœbe attenuata** Nees

XCVII. Hernandiaceæ.

801. **Illigera khasiana** C. B. Clarke
Wenger 326, 50 miles South of Lungleh in shady forest 3,000 ft., flowers Aug., dull red, "a strong creeper on big trees".

XCVIII. Proteaceæ

802.* **Helicia excelsa** Bl.
Lushai name *Sialhma.*

803.* **Helicia prostrata** Hook. f, ?

XCIX. Thymeliaceæ.

804. **Daphne Surell** W. W. Smith et Cave
Parry 121, Morchra 5,000 ft., flowers Feb., white.

805. **Daphne sp. prox. D. Surell** Sm. et Cave
Parry 289, Hmuifang 5,000 ft., flowers Aug., white.

806. **Edgeworthia longipes** Lace
Parry 375, N. Vanlaiphai 5,000 ft., flowers and fruit Dec.

807. **Linostoma decandrum** Wall.
Parry 410, Sialsuk 5,000 ft, flowers and fruit Dec.

C. Elæagnaceæ.

808. **Elæagnus latifolia** Linn.
Parry 82, Hmuifang 5,000 ft., flowers Jan.; Lushai name *Sarzukpui*, Lakher name *Chara*; Gage 37, Lungleh 3,000 ft., fruit March.

CI. Loranthaceæ.

809. **Loranthus pulverulentus** Wall.
Parry 500, Chakang 5,000 ft., flowers and fruit Jan.

810. **Viscum articulatum** Burm.
Parry 555, Phongpui 6,000 ft., flowers Jan.; Lushai name *Lenpat*.

CII. Santalaceæ.

811.* **Osyris arborea** Wall.

CIII. Euphorbiaceæ.

812. **Alchornea rugosa** Muell.-Arg.
Gage 128, 15 miles South East of Lungleh, flowers April.

813. **Antidesma Bunius** Spreng.
Gage 170, 15 miles South East of Lungleh, fruit April.

814.* **Antidesma Roxburghii** Wall.

815. **Aporosa oblonga** Muell-Arg.
Gage 194, Lungleh 3,000 ft., fruit April.

816. **Baccaurea sapida** Muell.-Arg.
Gage 116, Lungleh 3,000 ft., flowers April ; **Lushai name** *Pangkai*, **Lakher name** *Theipawkiapa.*

817. **Breynia retusa** Alst.
Gage 276, Lungleh and Lungsin 2,000-3,000 ft., ♀ flowers and fruit April.

818. **Bridelia stipularis** Bl.
Gage 105, Lungleh 3,000 ft., fruit April.

819. **Croton oblongifolius** Roxb.
Gage 38, Lungleh 3,000 ft., fruit March.

820. **Cyclostemon assamicus** Hook. f.
Gage 182, Lungleh 3,000 ft., fruit April.

821. **Emblica officinalis** Gærtn.
Lorrain without number, "fruit edible" ; **Lushai name** *Sulhlu*, **Lakher name** *Chheihlu.*

822. **Euphorbia pilulifera** Linn.
Gage 257, Lungleh 3,000 ft., flowers and fruit April.

823.* **Glochidion lanceolarium** Dalz.

824. **Homonoia riparia** Lour.
Gage 258, Demagiri 200 ft., flowers April; Wenger C5, flowers April ; **Lushai name** *Tuipui-Sulhla*, **Lakher name** *Rabeu.*

825. **Kirganelia reticulata** Baill.
Gage 191, Lungleh 3,000 ft., flowers April.

826. **Mallotus philippinensis** Muell.-Arg.
Parry 613, Chhinchip 4,000 ft., fruit Feb. ; **Lushai name** *Thingkhei.*

827. **Mallotus Roxburghiana** Muell-Arg.
Gage 260, Lungleh 3,000 ft., flowers April.

828. **Ostodes paniculata** Bl.
Parry 678 Aijal 3,000 ft., flowers April, white **Lushai name** *Beltur.*

829. **Phyllanthus Hamiltonianus** Muell.-Arg.
Parry 292, Hmuifang 5,000 ft., flowers Aug., pale pink, fruit Aug. ; **Lushai name** *Sulhlu*, **Lakher name** *Chheihlu.*

830.* **Phyllanthus oreophilus** Muell.-Arg.

831. **Phyllanthus Roxburghii** Muell.-Arg.
Wenger 241, 3,000-3,500 ft., flowers June-July.

832. **Ricinus communis** Linn.
Parry 626, Koladyne River Camp 2,000 ft., flowers and fruit Feb. ; **Lushai name** *Mutih*, **Lakher names** *Pahmaung-patang*, *Ketlachhupa*.

833. **Sapium insigne** Benth.
Gage 35, Lungleh 3,000 ft., fruit March.

834.* **Sarcococca pruniformis** Lindl.

CIV. Ulmaceæ.

835. **Ulmus lancifolia** Roxb.
Wenger 302, 3,000-4,000 ft, flowers March-April ; **Lushai name** *Phang*.

CV. Moraceæ.

836. **Allaeanthus Kurzii** Hook. f.
Gage 53, Lungleh 3,000 ft., ♂ flowers April.

837. **Artocarpus Chaplasha** Roxb.
Parry L. ; **Lushai name** *Tatkawng*.

838. **Artocarpus Lakoocha** Roxb.
Gage 201, between Lungleh and Ridge Camp 2,000-3,000 ft. ; **Lushai name** *Theltat*, **Lakher name** *Theita*.

839.* **Balanostreblus ilicifolia** Kurz

840. **Conocephalus suaveolens** Bl.
Gage 256, Lungleh 3,000 ft, flowers April.

841. **Cudrania fruticosa** Wight
Gage 19, Lungleh 3,000 ft., fruit March.

842. **Ficus bengalensis** Linn.
Parry L. ; **Lushai name** *Hmawng*, **Lakher name** *Ahmeu*.

843.* **Ficus clavata** Wall.

844. **Ficus cunia** Buch.-Ham.
Parry 653, Aijal 3,000 ft., fruit March, edible ; **Lushai name** *Thetlit*, **Lakher name** *Theita* ; Gage 197, between Lungleh and Ridge Camp 3,000 ft.

Do. do. var. **conglomerata** King

845. **Ficus elastica** Roxb.
Parry L. ; **Lushai name** *Thialret*, **Lakher name** *Hari*.

846.* **Ficus fistulosa** Reinw.

847.* **Ficus geniculata** Kurz.
Lushai name *Rihmin*, **Lakher name** *Bongchhi*.

848. **Ficus gibbosa** Bl.
Parry 444, Thingphal 3,000 ft., flowers and fruit Jan. ; **Lushai name** *Zamanhmawng*.

849. **Ficus glomerata** Roxb.
Parry L.

850 **Ficus hirta** Vahl.
Gage 142, 15 miles South East of Lungleh ; **Lushai name** *Sazutheipui*.

851. **Ficus hispida** Linn. f.
Gage 253, banks of the Karnaphuli River 100-200 ft.

852. **Ficus pomifera** Wall.
Gage 129, 15 miles South East of Lungleh 3,000 ft.

853. **Ficus retusa** Linn.
Wenger without number, Tawite, fruit Aug.
Do. do. var. **nitida** Thunb.

854. **Ficus subulata** Bl.
Gage 212, 254, between Ridge Camp and Lungsin 2,000 ft.

855. **Ficus urophylla** Wall.
Gage 14, Lungleh 3,000 ft.

856. **Morus indica** Linn.
Parry L.

857. **Morus lævigata** Wall.
Parry 181, Naosel 2,000 ft., flowers May ; **Lushai name** *Hmubelbing*.

CVI. Urticaceæ.

858. **Bœhmeria malabarica** Wedd.
Gage 4, 54, Lungleh 3,000 ft., flowers March-April,

859. **Behmeria rugulosa** Wedd.
Parry 1349, Lushai name *Lenlang*, Lakher names *Teicho*, *Chak'la*, Lakher Country, 4,000 ft., wood used for building.

860. **Dalechampia Kurzii** Hook. f.
Wenger 327, 69 miles South of Lungleh 2,500 ft., flowers Aug., bracts palest green, apparently rare and unknown to local people.

861.* **Debregeasia velutina** Gaud.

862.* **Elatostemma dissectum** Wedd.

863. **Elatostemma sesquifolium** Hassk,
Gage 55, Lungleh 3,000 ft., flowers April.

864 **Girardinia heterophylla** Dcne.
Gage 5, 7, Lungleh 3,000 ft., fruit March.

865.* **Pilea bracteosa** Wedd.

866.* **Pilea umbrosa** Wedd.

867.* **Procris lævigata** Bl.

868. **Sarcochlamys pulcherrima** Gaud.
Gage 131, 15 miles South East of Lungleh.

CVII. Juglandaceæ.

869. **Engelhardtia spicata** Bl.
Parry 658, Aijal 3,000 ft., fruit April ; Lushai name *Hnum* ; Wenger without number, 3,000 ft., fruit April.

870. **Engelhardtia Wallichiana** Lindl.
Purkayastha without number, flowers June.

871. **Juglans regia** Linn.
Parry L. ; Lushai name *Kawkhorh*.

CVIII. Myricaceæ.

872. **Myrica Nagi** Thunb.
Parry 147, Champhai 5,000 ft., Lushai name *Keifang*.

CIX. Betulaceæ.

873. **Betula alnoides** Ham.
Parry 123, Chakang 5,000 ft., fruit Feb.; **Lushai name** *Hriangpui*; Wenger 303, 3,000 ft., flowers March.

874. **Betula cylindrostachya** Wall.
Parry L ; **Lushai name** *Hriangzau*.

CX. Fagaceæ.

875. **Castanopsis armata** Spach
Wenger 315, 800 ft., in thick forest, fruit Aug.

876.* **Castanopsis Hystrix** A. DC.

877. **Castanopsis indica** A. DC
Wenger 400, Blue Mountain 6,000 ft., fruit Dec.

878. **Castanopsis tribuloides** A. DC.
Parry 420, Thenzawl 3,000 ft., fruit Dec., edible; **Lushai name** *Thenngo*, **Lakher name** *Asi*.

Do. **do** var. **longispina** King ex Hook. f.
Parry 371, N. Vanlaiphai 5,000 ft., fruit Nov.

Do. **do.** var. **Wattii** King ex Hook. f.
Parry 419, Thenzawl 5,000 ft.; **Lushai name** *Thensen*, **Lakher name** *Asi*.

879. **Castanopsis** sp.
Parry 360, Lailen 4,000 ft., fruit Oct.; Parry 662, Aijal 3,000 ft., fruit April; **Lushai name** *Vawmbuh*.

880. **Quercus dealbata** Hook. f. et T.
Parry 391, Chhinchip 4,000 ft., fruit Oct.; **Lushai name** *Fah*, **Lakher name** *Keuko*; Wenger 396, 398, Blue Mountain 3,000-4,000 ft., fruit Dec.

881. **Quercus dilatata** Lindl.
Parry 134, Phongpui 6,000 ft.; **Lushai name** *Thal*.

882. **Quercus fenestrata** Roxb.
Wenger without number.

883. **Quercus Griffithii** Hook. f. et T.
Parry 71, 72, Champhai 5,000 ft ; **Lushai name** *Sasua*.

884. **Quercus Helferiana** A. DC.
Parry 68, Champhai 5,000 ft., young fruit July ; **Lushai name** *Hlai* ; Wenger 397, forests East of Blue Mountain 4,000 ft., fruit Dec.

885. **Quercus incana** Roxb.
Parry 70, Champhai 5,000 ft., flowers July ; **Lushai name** *Phen*.

886. **Quercus pachyphylla** Kurz
Parry 73, Champhai 5,000 ft., flowers July ; **Lushai name** *Thil*.

887.* **Quercus polystachya** Wall.
Lushai name *Thil*.

888. **Quercus semecarpifolia** Sm.
Lorrain without number ; **Lakher name** *Ara*.

889. **Quercus serrata** Thunb.
Parry 68, Champhai 5,000 ft., flowers July.

890. **Quercus spicata** Sm
Wenger 314, 800 ft , in thick forest, fruit Aug.

CXI. Corylaceæ

891. **Corylus Colurna** Linn.
Parry L. ; **Lushai name** *Hnum*.

CXII. Salicaceæ.

892.* **Salix tetrasperma** Roxb.
Lushai name *Tuipuisuthlah*.

CXIII. Gnetaceæ.

893. **Gnetum Gnemon** Linn. var. **Brunonianum** Mrgf.
Gage 269, Fort Lungleh 700-1,200 ft., ; Gage 270, between Ridge Camp and Lungsin, flowers April ; J. C. Prazer without number, Changsie, flowers March.

Do. do. var. **Griffithii** Mrgf.
J. C. Prazer without number, Changsie.

CXIV. Coniferæ.

894. **Cephalotaxis Griffithii** Hook. f.
Parry 107, Chakang 6,000 ft., "prized for its hard wood" ; **Lushai name** *Tufar*, **Lakher name** *Meisa*.

895. **Pinus khasia** Royle
Parry 702, Champhai and Lailiphai 4,000 ft. ; **Lushai name** *Far*.

896. **Podocarpus neriifolia** D. Don
Parry 108, Chakang 6,000 ft., "prized for its hard wood".

897.* **Taxus baccata** Linn.

XCV. Cycadaceæ.

898. **Cycas pectinata** Griff.
Parry 100, Laki 5,000 ft. ; **Lushai names** *Alian, Kokpui*.

Monocotyledones

CXVI. Burmanniaceæ.

899. **Burmannia cœlestis** D. Don
Parry 333, Champhai 5,000 ft., flowers Oct., bright blue.

900. **Burmannia disticha** Linn.
Parry 20, Champhai 5,000 ft., flowers July, bright royal blue ; **Lushai name** *Parkheawdur*.

CXVII. Orchidaceæ.

901. **Acampe dentata** Lindl.
Parry 204, Satlongchua 3,000 ft., on trees on river bank, fruit May ; Parry 681, Siachhung 2000 ft., flowers April ; **Lushai name** *Naoban*, **Lakher name** *Maitao*.

902. **Aerides Fieldingii** Lodd.
Gage without number.

903. **Aerides odoratum** Lour,
Parry 288, Ramlaitui 3,000 ft., flowers Aug., pale mauve ; Gage without number.

904. **Aerides vandarum** Reichb. f.
Parry 522, Phongpui 7,000 ft., flowers Jan., white with mauve tips.

905. **Agrostiphyllum callosum** Reichb. f.
Parry 568, Phongpui 7,000 ft.

906.* **Anœchtochilus grandiflorus** Lindl.

907. **Anœchtochilus Griffithii** Hook. f.
Parry 272, Hmuifang 5,000 ft., flowers Aug., dull cream tipped with pink.

908.* **Anœchtochilus sikkimensis** King et Pantl.

909. **Anthogonium gracile** Lindl.
Parry 318, Tuisenhnar 4,000 ft., flowers Oct., pale magenta pink.

910. **Aphyllorchis Prainii** Hook. f.
Wenger 325, 40 miles South of Lungleh 3,000 ft., in open forest, stem brown, flowers Aug., yellowish.

911. **Arundina chinensis** Bl.
Parry L, Aijal 3,000 ft.

912. **Arundina graminifolia** Hochr.
Parry 247, N. Vanlaiphai 5,000 ft., flowers July, mauve; Lushai name *Lailen*.

913. **Bulbophyllum Careyanum** Spreng
Parry 647, Aijal 3,000 ft., flowers March, dark red.

914. **Bulbophyllum gymnopus** Hook. f.
Parry 484, Sairep 5,000 ft., flowers Jan., dull cream.

915. **Bulbophyllum hirtum** Lindl.
Parry 436, Hmuifang 5,000 ft., flowers Dec., dull cream.

916. **Bulbophyllum Lobbii** Lindl.
Parry 621, Aijal 4,000 ft., flowers March, yellow; Lushai name *Nauban*, Gage 179, Lungleh 3,000 ft., flowers April.

917. **Bulbophyllum odoratissimum** Lindl.
Parry 174, Kawthlir 4,000 ft., flowers May, dull orange.

918. **Bulbophyllum Parryæ Summerhayes**
Parry 220, S. Vanlaiphai 5,000 ft., flowers April, white.

919. **Bulbophyllum polyrhizum** Lindl.
Parry 633, Aijal 4,000 ft., flowers March, yellowish green.

920. **Bulbophyllum reptans** Lindl.
Parry 132, Phongpui 6,000 ft, flowers Feb., dull yellow.

921. **Calanthe gracilis** Lindl.
Parry 485, Sairep 5,000 ft., flowers Jan., pale primrose yellow.

922. **Calanthe Masuca** Lindl.
Parry 277, Sialsuk 5,000 ft., flowers Aug., bright blue.

923.* **Calanthe veratrifolia** R. Br.

924.* **Camarotis Manŭli** King et Pantl.

925. **Camarotis purpurea** Lindl.
Parry 237, Aijal 4,000 ft., flowers June, bright mauve.

926. **Ceratostylis himalaica** Hook. f.
Parry 563, Phongpui 7,000 ft, fruit Jan.; **Lushai name** *Nauban.*

927. **Cirrhopetalum picturatum** Lodd.
Parry 197, Khawlkul 4,000 ft., flowers May, dull yellowish red; Gage without number.

928. **Cleisostoma bicuspidatum** Hook. f.
Gage without number.

929. **Cœlogyne elata** Lindl.
Parry 190, Vanbong 5,000 ft., flowers May, white tinged yellow.

930. **Cœlogyne fimbriata** Lindl.
Parry 423, 435, Hmuifang 5,000 ft., flowers Dec., dull yellow; **Lushai name** *Nauban.*

931.* **Cœlogyne flaccida** Lindl.

932.* **Cœlogyne flavida** Wall.

933. **Cœlogyne fuscescens** Lindl.
Gage without number. Roots sent by Mrs. Parry flowered at Kew.

934. **Cœlogyne Gardneriana** Lindl.
Gage without number.

935. **Coelogyne graminifolia** Pax et Reichb. f.

Parry 221, Aijal 3,500 ft., flowers April; Parry 512, Mawmang Tlang 5,000 ft., flowers Jan.; **Lushai name** *Nauban*; Gage without number.

936. **Coelogyne Huettneriana** Reichb. f.

Parry 636, Aijal 4,000 ft, flowers March, white, lip marked with brown and yellow

937. **Coelogyne maculata** Lindl ?

Gage without number.

938. **Coelogyne micrantha** Lindl,

Parry 645, Chhinchip 4,000 ft., flowers March; **Lushai name** *Nauban.*

939. **Coelogyne ovalis** Lindl.

Gage without number.

940. **Coelogyne pendula** Summerhayes

Parry 241, Bukpui 2,000 ft., flowers July, dull yellow and cream.

941.* **Coelogyne praecox** Lindl.

942.* **Coelogyne uniflora** Lindl.

943. **Cymbidium cyperifolium** Wall.

Parry 573, Phongpui 7,000 ft., flowers and fruit Jan.

944. **Cymbidium giganteum** Wall,

Parry 402, Aijal 3,000 ft., flowers Oct., red and yellow; **Lushai name** *Nauban.*

945. **Cymbidium lancifolium** Hook.

Gage without number.

946. **Cymbidium longifolium** D. Don

Parry 562, Phongpui 7,000 ft., fruit Jan.; **Lushai name** *Nauban.*

947. **Cymbidium pendulum** Swartz

Gage without number.

948. **Dendrobium aciniforme** Roxb.

Parry 290, Howlong 3,000 ft., flowers Aug., dull yellow.

949. **Dendrobium aggregatum** Roxb.

Parry 198, Vanbong 5,000 ft., flowers May, yellow with orange lip, honey scented; Parry 666, Aijal 4,000 ft., fruit April; **Lushai name** *Nauban;* Gage without number.

950. **Dendrobium aceps** Swartz
Gage without number.

951. **Dendrobium aphyllum** C. E. C. Fischer
Parry 216, Aijal 3,500 ft., flowers April, white and pale mauve, lip yellow.

952. **Dendrobium arachnites** Reichb. f.
Parry 191, Vanbong 5,000 ft., flowers May, bright orange.

953. **Dendrobium bicameratum** Lindl.
Parry 261, Hmuifang 5,000 ft., flowers Aug., dull yellow ; Gage without number.

954. **Dendrobium capillipes** Reichb. f.
Parry 679, Aijal 3,000 ft., flowers April, bright yellow with orange lip.

955. **Dendrobium cariniferum** Reichb. f.
Gage without number.

956. **Dendrobium chrysanthum** Wall.
Parry 293, Aijal 4,000 ft., flowers Aug., bright yellow ; Gage without number.

957. **Dendrobium chrysotoxon** Lindl.
Gage 197, Lungleh 3,000 ft., flowers April,

958. **Dendrobium crepidatum** Lindl.
Parry 205, Chhinchip 4,000 ft., flowers March, white and mauve ; Gage without number.

959. **Dendrobium cretaceum** Lindl.
Gage without number.

960. **Dendrobium densiflorum** Wall.
Parry 212, Cosliang 5,000 ft., flowers May, orange yellow lip paler ; Parry 685, Aijal 3,000 ft., flowers April.

961. **Dendrobium denudans** D. Don
Parry 111, Chakang 5,000 ft., flowers Feb.

962. **Dendrobium Devonianum** Post.
Gage without number.

963. **Dendrobium fimbriatum** Hook. var. **oculatum** Hook.
Parry 199, Vanbong 5,000 ft., flowers May, orange yellow base of lip brown ; Gage without number.

964. **Dendrobium formosum** Roxb.
Parry 639, Lailiphai 4,000 ft., flowers March, white with yellow lip ; Lushai name *Nauban* ; Gage without number.

965. **Dendrobium Gibsoni** Lindl.
Gage without number.

966. **Dendrobium heterocarpum** Wall.
Parry 521; Piarilunghmun 4,000 ft., flowers Jan., pale yellow lip madder brown ; Gage without number.

967. **Dendrobium longicorne** Lindl.
Parry 528, Phogpui 6,000 ft., flowers Jan., white, lip yellow

968. **Dendrobium moschatum** Swartz.
Parry 265, Aijal 4,000 ft. flowers Aug., pale mauve.

969. **Dendrobium ochreatum** Lindl.
Parry 178, Champhai 5,000 ft , flowers April, yellow, lip brown ; Gage 214, Lungleh 3,000 ft., flowers April

970. **Dendrobium Parryæ** Summerhayes
Parry 269, Ramlaitui 3,000 ft., flowers Aug., yellowish green.

971. **Dendrobium pendulum** Roxb.
Parry 94, Palak-leilet 4,000 ft., flowers Feb., yellow, edged with mauve ; Gage without number.

972. **Dendrobium primulinum** Lindl.
Parry 218, Keitumkawn 3,000 ft., flowers April, white and mauve ; Parry 680, Aijal 3,000 ft., flowers cream and mauve.

973. **Dendrobium pycnostachyum** Lindl.
Parry 112, Chakang 5,000 ft., flowers Feb., white, lip pinkish yellow.

974. **Dendrobium pygmæum** Lindl.
parry 129, phongpui 6,000 ft., flowers Feb., white or bright pink.

975. **Dendrobium transparens** Wall.
Gage without number.

976. **Eria aurita** Reichb. f.
Parry 640, Aijal 4,000 ft., flowers March, dull yellow ; Lushai name *Nauban*.

977. **Eria Andersonii** Hook. f.
Parry without number. Flowered at Kew from roots sent by Mrs. Parry.

978. **Eria bambusifolia** Lindl.
Gage without number.

979. **Eria convallarioides** Lindl.
Gage without number.

980. **Eria coronaria** Lindl.
Parry 481, Sairep 5,000 ft., flowers Jan.

981. **Eria flava** Lindl.
Parry 215, Keitumkawn 3,000 ft., flowers April, orange.

982. **Eria Lacei** Summerhayes
Parry 632, Phongpui 7,000 ft., flowers March, white, lip purple and yellow.

983. **Eria pannea** Lindl.
Gage without number.

984. **Eria paniculata** Lindl.
Parry 554, Phongpui 6,000 ft., flowers Jan., bright red; Parry 670, Chekawn 4,000 ft., flowers March.

985. **Eria tomentosa** Hook. f.
Gage 228, Lungleh 3,000 ft., flowers April.

986. **Esmeralda Clarkei** Reichb. f.
Parry 110, Chakang 5,000 ft., flowers Feb., striped red and yellow.

987. **Eulophia bicarinata** Hook. f.
Parry 209, Lailiphai 5,000 ft., flowers May, cream, dotted pink and green.

988.* **Eulophia nuda** Lindl.

989. **Galeola Lindleyana** Reichb. f.
Parry 298, Zobawk 2,000 ft., flowers July, bright yellow.

990.* **Geodorum dilatatum** R. Br.

991.* **Geodorum purpureum** R. Br.

992.* **Habenaria acuifera** Wall.

993.* **Habenaria galeandra** Benth. var. **major** Hook. f.

994. **Habenaria geniculata** D. Don
Parry 358, Champhai 5,000 ft., flowers Oct., pure white; **Lushai name** *Purundi.*

995.* **Habenaria Helferi** Hook. f.

996. **Habenaria malleifera** Hook. f.
Wenger 250, 5,000 ft., in shady forest, flowers Aug.

997. **Habenaria stenopetala** Lindl.
Wenger 249, in shady forest 5,000 ft., flowers Aug.

998. **Herpysma longicaulis** Lindl.
Parry 217, S. Vanlaiphai 5,000 ft., flowers April, dull white tinged pink.

999. **Liparis** sp. near **L. bootanensis** Griff
Wenger 246, 4,500 ft., flowers Aug.

1000. **Liparis cordifolia** Hook. f.
Parry 439, Sairep 6,000 ft., flowers and fruit Jan., flowers dull yellow.

1001. **Liparis delicatula** Hook. f.
Parry 273, Hmuifang 5,000 ft., flowers Aug, dull orange.

1002. **Liparis longipes** Ridl.
Gage without number.

1003.* **Liparis Parishii** Hook. f.

1004. **Liparis pusilla** Ridl.
Parry 258, Thiak 3,000 ft., flowers Aug.

1005. **Liparis viridiflora** Lindl.
Parry 535, Phongpui 6,000 ft., flowers Jan., cream; **Lushai name** *Nauban.*

1006. **Microstylis Josephiana** Reichb. f.
Parry L.

1007. **Microstylis Scottii** Hook. f.
Parry 23, Lumtui 4,000 ft., flowers July, buff, edged white.

1008. **Microstylis Wallichii** Lindl.
Parry 19, Sairep 5,000 ft., flowers July, claret coloured.

1009. **Neogyne Gardneriana** Reichb. f.
Parry 483, Sairep 5,000 ft., flowers and fruit Jan., flowers pinkish cream.

1010.* **Nervilia Jullana** Schltr.

1011.* **Nervilia plicata** Schltr.
Lushai name *Phurthakhlo.*

1012. **Oberonia iridifolia** Lindl.
Gage without number.

1013. **Oberonia pachyrachis** Reichb. f.
Parry 634, Aijal 4,000 ft., flowers and fruit March.

1014. **Ornithochilus fuscus** Wall.
Gage without number; Wenger 247, 3,500 ft., flowers Aug.

1015. **Otochilus fusca** Lindl.
Parry 477, Mawrhe 5,000 ft., flowers and fruit Jan., flowers white, lip dull pink.

1016. **Otochilus porrecta** Lindl.
Parry 429, Hmuifang 5,000 ft., flowers and fruit Dec., flowers white with pink centre ; **Lushai name** *Naoban.*

1017. **Panisea uniflora** Lindl.
Parry 635, Aijal 4,000 ft., furit March.

1018. **Paphiopedilum hirsutissimum** Pfitz.
Parry 172, Mimbung 5,000 ft., flowers May, purple, brown and yellow.

1019. **Paphiopedilum villosum** Pfitz.
Parry 418, Sairep 6,000 ft., flowers Dec. ; **Lushai name** *Naoban.*
Do. do. var. Boxallii.
Parry L.

1020. **Paphiopedilum Spicerianum** Pfitz.
Wenger 244, on shaded precipice 3,500 ft., flowers Sept.

1021. **Papilioranthe teres** Schltr.
Parry 620, Sairang 2,000 ft., flowers Feb., mauve and yellow.

1022.* **Peristylus goodyeroides** Lindl.

1023. **Phaius albus** Lindl.
Gage without number.

1024. **Phaius Blumei** Lindl.
Parry 208, Lailiphai 5,000 ft., flowers May.

1025. **Phaius maculatus** Lindl.
Gage without number.

1026. **Phalænopsis cornucervi** Pax et Reichb. f.
Gage without number.

1027. **Phalænopsis Mannii** Reichb. f.
Parry 195, Tawkzawl 2,000 ft., flowers May, yellow spotted with dull red.

1028. **Pholidota advena** Reichb. f. ?
Gage without number.

1029. **Pholidota convallariæ** Reichb. f.
Parry 194, Vanbong 5,000 ft., flowers May, cream ; Gage 195, Lungleh 3,000 ft.

1030. **Pholidota imbricata** Lindl.
Gage 229, Lungleh 3,000 ft.

1031. **Pholidota** sp. near **imbricata** Lindl.
Parry 533, Phongpui 6,000 ft., fruit Jan.

1032. **Pholidota rubra** Lindl.
Parry 433, Hmuifang 5,000 ft., flowers Dec., dull cream ; Gage without number.

1033. **Phyllomphax Helferi** Schltr.
Wenger 245, in shady forest 2,500 ft., flowers Sept. ; Wenger 313, South of Lungleh 3,000 ft., flowers Aug ' mauve or greenish yellow.

1034. **Pleione maculata** Lindl.
Parry 401, Aijal 3,000 ft., flowers Oct.

1035.* **Podochilus cultratus** Lindl.

1036.* **Porpax fibuliformis** King et Pantl.

1037. **Renanthera Imschootiana** Rolfe
Gage 230, Lungleh 3,000 ft. ; Parry without number, flowered at Kew ; Lushai name *Senhri*.

1038. **Saccolabium calceolare** Lindl.
Parry 118, Chakang 5,000 ft., flowers Feb., dull yellow and red.

1039. **Saccolabium papillosum** Lindl.
Gage without number.

1040. **Saccolabium pseudo-distichum** King et Pantl.
Parry without number, flowered at Kew.

1041. **Sarcanthus appendiculatus** Hook. f.
Gage without number.

1042. **Sarcanthus filiformis** Lindl.
Parry 236, Phongpui 6,000 ft., flowers June, chocolate and yellow ; Wenger 251, 4,000 ft., flowers and fruit Aug.

1043. **Steogyne lushaiensis** Summerhayes
Parry 130, Phongpui 6,000 ft., flowers March, pure white ; Parry 525, Phongpui 7,000 ft.

1044. **Stigmatogyne tricallosa** Pfitz.
Parry 193, Vanbong 5,000 ft., flowers May, greenish white.

1045. **Tainia latifolia** Benth.
Parry 126, S. Vanlaiphai 5,000 ft., flowers Feb., chocolate and yellow.

1046. **Tainiopsis barbata** Schltr.
Parry 534, Phongpui 5,000 ft., fruit Jan. ; **Lushai name** *Nauban*.

1047. **Vanda cœrulea** Griff.
Gage without number ; **Lushai name** *Lawleng*.

1048. **Vanda Parishii** Veitch et Reichb. f.
Parry 196, Champhai 5,000 ft., flowers May, yellow spotted with dull red, lip bright mauve.

1049. **Vanda testacea** Reichb. f.
Parry 192, Vanbong 5,000 ft, flowers and fruit May, flowers mauve.

1050. **Vanda teres** Lindl.
Gage without number.

1051. **Vanilla** sp.
Parry 671, Chekawn 4,000 ft.

1052. **Zeuxine** sp.
Wenger 322, 30 miles South of Lungleh 3,500 ft., flowers Aug., snow white, waxy, "a very small succulent plant growing in thick moss on wet rocks".

CXVIII. Zingiberaceæ.

1053. **Alpinia bracteata** Roxb.
Parry 154, Darzo 4,000 ft., flowers March, white with dark and yellow markings; Lushai name *Aichal*, Lakher name *Lapo*.

1054. **Alpinia Galanga** Sw.
Parry 260, Thenzawl 4,000 ft., flowers Aug., white and red.

1055. **Alpinia malaccensis** Rosc.
Gage 115, Lungleh 3,000 ft., flowers April.

1056. **Amomum dealbatum** Roxb.
Parry 164, Sailam 5,000 ft., fruit May; Lushai name *Aidu*, Lakher name *Latabopa*; Gage 173, 15 miles South East of Lungleh, flowers April.

1057. **Amomum linguiforme** Benth.
Parry 268, Ramlaitui 3,000 ft., flowers Aug., bright red and yellow.

1058.* **Amomum sericeum** Roxb.

1059.* **Cautleya Cathcartii** Baker

1060. **Cautleya lutea** Royle.
Parry 270, Hmuifang 5,000 ft., flowers Aug., yellow.

1061. **Costus speciosus** Sm.
Parry 64, Aijal 3,000 ft., flowers Aug., pale pink; Lushai name *Sumbal*.

1062. **Curcuma Zerumbet** Roxb.
Gage 206, between Ridge Camp and Lungsin 2,000 ft., flowers April.

1063.* **Gastrochilus longiflora** Wall.
Lushai name *Altur*.

1064. **Globba Clarkii** Baker
Parry 240, N. Vanlaiphai 5,000 ft., flowers July, dull yellow, bracts dark purple; Wenger C. 4,000 ft., flowers Aug.

1065. **Globba multiflora** Wall.
Parry 244, Chalkhan 3,000 ft., flowers July, yellow.

1066. **Globba orixensis** Roxb.
Parry 245, Keitumkawn 2,500 ft., flowers July, pale yellow; Lorrain without number.

1067. **Globba versicolor** Sm.
Parry 158, Naosel 2,000 ft., flowers May, bright orange yellow; Parry 158a, Zobawk and Paikai 3,000 ft., flowers July, growing on wet rocks.

1068. **Hedychium coccineum** Ham.
Parry 59, Tuisenhnar 4,000 ft., flowers July, bright red; **Lushai name** *Aichhia*, **Lakher name** *Lachia*; Wenger 243, 3,000 ft.

1069.* **Hedychium coronaium** Koen.

1070. **Hedychium ellipticum** Ham.
Parry 60, Champhai 5,000 ft., flowers Aug., white, stamens yellow, slightly fragrant; **Lushai name** *Albuk*.

1071. **Hedychium Elwesii** Baker
Wenger 310, 4,500 ft., in wet forest, flowers Aug., vivid light red.

1072. **Hedychium spicatum** Ham.
Parry 67, Hmuifang 5,000 ft., flowers Aug, bright red; **Lushai name** *Aithur*, **Lakher name** *Thotlang*; Wenger 242, 4,000-5,000 ft., in shady forest, flowers Sept., orange red.

1073. **Hedychium urophyllum** Lodd.
Wenger C.

1074. **Hedychium villosum** Wall.
Parry 581, Darzo 5,000 ft., flowers Jan., white, stamens pink; **Lushai name** *Aichhia*; Gage 120, Lungleh 3,000 ft., flowers April.

1075. **Hemiorchis burmanica** Kurz
Gage 207, between Ridge Camp and Lungsin 2,000 ft., flowers April.

1076.* **Kæmpferia rotunda** Linn.
Aijal 3,000 ft., **Lushai name** *Tuktin*.

1077 **Kæmpferia sikkimensis** King
Parry 281, Lungleh 4 000 ft, flowers July, yellow, Wenger C4, Lungleh flowers Aug

1078 **Mantisia saltatoria** Sims
Wenger 305, 3,000-3 600 ft. in shade on rocks near streams, flowers April bright yellow bracts chocolate brown

1079 **Mantisia spathulata** Schult
Parry 200 Champhai 6 000 ft flowers May mauve lip yellow, Parry 201 Hmuifang 5 000 ft flowers May roots edible, **Lushai name** *Alting* Wenger 270 307 3 000 ft, on rocks near streams in shade flowers pale yellow stems and bracts purple or white tinged with purple, Wenger 331 332 333, on shady cliffs on banks of the Karnaphuli River 100-150 ft flowers May pale straw coloured Wenger 334 in light shade 4 000 ft flowers April yellow bracts blue

1080 **Mantisia Wengeri** C E C Fischer
Wenger 306 3,600 ft. in shade on rocks near streams flowers April, yellow stems and bracts yellowish green fruit May,

1081 **Phrynium capitatum** Willd
Parry L **Lushai name** *Hnathial*, **Lakher name** *Chaihna*

1082 **Rhynchanthus longiflorus** Hook. f
Wenger 353, 4,000 ft., flowers Sept deep red growing out of crevices and forks in tree trunks stems up to 4 ft., long

CXIX. Hæmodoraceæ

1083 **Ophiopogon Clarkei** Hook f
Parry 572, Phongpui 7,000 ft flowers and fruit Jan flowers mauve and blue

1084 **Ophiopogon dracænoides** Hook f.
Parry 479, Sairep 5,000 ft., fruit Jan, bright blue **Lushai name** *Phunhring*.

1085 * **Ophiopogon Wallichianus** Hook. f.

1086. **Peliosanthes Bakeri** Hook. f.
Wenger 329, in dense forest 40 miles South of Lungleh, 4,000 ft., flowers Sept.

1087. **Peliosanthes macrophylla** Wall.
Parry 448, Sherkor 4,000 ft., fruit Jan., bright blue.

1088.* **Peliosanthes Teta** Andr.

1089.* **Peliosanthes violacea** Wall.

CXX. Amaryllidaceæ

1090. **Crinum amœnum** Roxb.
Parry 235, Tuisènhnar 4,000 ft., flowers July.

1091.* **Curculigo crassifolia** Hook. f.
Lushai name *Phaiphak.*

1092. **Curculigo capitulata** O. Ktze.
Gage 218, Lungleh 3,000 ft, flowers April.

1093.* **Hypoxis aurea** Lour.

CXXI. Taccaceæ.

1094.* **Tacca lævis** Roxb.
Lushai name *Thialkha.*

CXXII. Dioscoreaceæ.

1095. **Dioscorea alata** Linn.
Parry 392, Aijal 3,000 ft., flowers Oct.; Lushai names *Bachhim, Rambachim.*

1096. **Dioscorea bulbifera** Linn.
Gage without number, near Lungleh.

1097. **Dioscorea glabra** Roxb.
Gage 252, Demagiri 500 ft., fruit April; Lushai name *Hrakai*, Lakher name *Totorodopa.*

1098. **Dioscorea pentaphylla** Linn. var.
Wenger 389, Lungleh in forest clearing, flowers Oct.

1099. **Dioscorea sativa** Linn.
Parry L.

1100. **Dioscorea trinervia** Roxb.
Wenger 402, Lungleh in forest clearing, fruit Oct.

CXXIII Liliaceæ

1101 **Asparagus racemosus** Willd
Parry 305 Aijal 4 000 ft flowers Oct **Lushai name** *Arkebawk* Lorrain without number

1102 **Chlorophytum undulatum** Wall
Parry 301 Ramlaitui 3 000 ft flowers and fruit Aug flowers white

1103 * **Dianella ensifolia** Red

1104 **Disporum calcaratum** Don
Parry L

1105 **Dracæna ensifolia** Wall
Gage 144 15 miles South East of Lungleh 3 000 ft flowers April

1106 * **Dracæna spicata** Roxb

1107 **Dracæna terniflora** Roxb
Gage 263 between Ridge Camp and Lungsin 2 000 ft flowers April

1108 **Lilium Wallichianum** Schult f
Parry 66 Champhai 5 000 ft flowers July **Lushai name** *Badai*

1109 **Paris polyphylla** Sm
Parry 186 Sailam 5,000 ft., flowers May

1110 **Polygonatum oppositifolium** Royle
Parry 550, Phongpui 4 000 ft fruit Jan

1111 **Smilax lanceæfolia** Roxb
Gage 45 Lungleh 3 000 ft young fruit March

1112. **Smilax macrophylla** Roxb
Lorrain 42, **Lakher name** *Kamakua*

1113 **Smilax prolifera** Roxb
Parry L, **Lushai name** *Kaiha*

1114 **Smilax Roxburghiana** Wall.
Gage 149, 15 miles South East of Lungleh 3,000 ft fruit April.

CXXIV. Pontederiaceæ

1115. **Monochoria hastæfolia** Presl.
Parry 246, N. Vanlaiphai 5,000 ft., flowers July, bright blue.

CXXV. Commelinaceæ.

1116.* **Aneilema divergens** C. B. Clarke

1117.* **Aneilema giganteum** R. Br.

1118. **Aneilema malabaricum** Merr.
Wenger 343, on grassy slopes 4,000 ft., flowers Sept., very pale blue.

1119. **Aneilema scaberrimum** Kunth
Wenger 330, 55 miles South of Lungleh 4,000 ft., flowers Sept., pale blue, stems up to 4 ft. high.

1120. **Commelina nudiflora** Linn.
Parry* ; Gage 264, between Linchong and Demagiri 500-1,000 ft , flowers April.

1121. **Forrestia Hookeri** Hassk.
Parry 286, Thenzawl 4,000 ft., flowers Aug , dull pink.

1122.* **Pollia Aclisia** Hassk.

1123.* **Pollia pentasperma** C. B. Clarke

1124 **Pollia sorzogonensis** Endl.
Parry * ; Lorrain 6, Thosai Chava on river bank 1,000 ft.; Lakher name *Latheipahru*.

CXXVI. Palmaceæ.

1125.* **Areca triandra** Roxb. var.
Lushai name *Uval*.

1126. **Arenga saccharifera** Labill.
Parry 461, Sairep 5,000 ft., sago edible ; Lushai name *Thangtung*.

1127. **Borassus flabellifer** Linn.
Parry L. ; Lushai name *Stallu*, Lakher name *Thtahra*.

1128. **Calamus acanthospathus** Griff.
Parry L.

1129 **Calamus erectus** Roxb.
Parry L **Lushai name** *Hrulpui* **Lakher name** *Ari*

1130 **Calamus tenuis** Roxb
Gage 261 Lungleh 3 000 ft

1131 **Caryota urens** Linn
Parry 590 Darzo 5 000 ft **Lushai name** *Meihle* **Lakher name** *Sasai* Gage 56 Lungleh 3 000 ft

1132 **Didymosperma nana** H Wendl et Drude
Lorrain 19, along rivers **Lakher name** *Ipathi* occasionally used for roofing

1133 **Licuala peltata** Roxb
Gage 262 Lungleh 3 000 ft flowers April

1134 **Phœnix humilis** Royle
Parry 171 Lailiphai 5 000 ft

1135 **Pinanga gracilis** Bl
Parry 588 Darzo 5 000 ft **Lushai name** *Tartiang* **Lakher name** *Nonglumeinong* , Gage 117 118, Lungleh 3 000 ft fruit April

CXXVII Araceæ

1136 **Aglaonema Hookeriana** Schott
vidi Pflenzenreich IV 23 D, 25

1137 **Alocasia fallax** Schott
Gage 50, Lungleh 3 000 ft, flowers March April

1138 * **Gonotanthus sarmentosus** Klotz

1139 **Pothos Cathcartii** Schott
Gage 83, Lungleh 3,000 ft , flowers April Lorrain 34

1140 **Pothos scandens** Linn
Gage 265 Helio Hill Lungleh 3 700 ft flowers April

1141 * **Remusatia Hookeriana** Schott

1142 **Rhaphidophora calopylla** Schott
Gage 15, Lungleh 3,000 ft., flowers March

1143 **Rhaphidophora decursiva** Schott
Parry 669, Chokawn 4,000 ft. , **Lushai name** *Tubal* Gage 68, Lungleh 3,000 ft flowers April

1144. **Rhaphidophora glauca** Schott
Gage 266, Lungleh 3,000 ft., flowers April.

1145. **Rhaphidophora Hookeri** Schott
Gage 67, Lungleh 3,000 ft., flowers April.

1146. **Steudnera** sp.
Gage 267, between Ridge Camp and Lungsin 1,000 ft., flowers April.

1147. **Steudnera** sp.
Lorrain without number ; **Lakher name** *Hleido.*

CXXVIII. Eriocaulaceæ.

1148. **Eriocaulon oryzetorum** Mart.
Parry 698, Thenzawl 4,000 ft., flowers April.

CXXIX. Cyperaceæ

1149.* **Carex stramentita** Boott.

1150. **Cyperus diffusus** Vahl.
Gage 167, 15 miles South East of Lungleh 3,000 ft.; Wenger 283, on banks in forest 3,000 ft., flowers and fruit Oct.

1151. **Cyperus digitatus** Roxb.
Parry 694, Thenzawl 4,000 ft , flowers May.

1152. **Cyperus Zollingeri** Steud.
Parry 697, Thenzawl 4,000 ft., flowers May.

1153. **Fimbristylis dichotoma** Vahl
Parry 695, Thenzawl 4,000 ft., fruit May ; Wenger 263, 281, 3,000 ft., at waysides, flowers and fruit Aug -Sept.

1154. **Fimbristylis nigrobrunnea** Thw.
Wenger 262, waysides and forest clearings 3,000-4,000 ft., flowers and fruit July.

1155. **Fimbristylis scaberrima** Nees.
Lorrain without number ; **Lakher name** *Chaipopa.*

1156. **Kyllinga brevifolia** Rottb.
Wenger 257, Lungleh 4,000 ft., flowers and fruit May-Aug.; Lorrain without number.

1157. **Kyllinga monocephala** Rottb.
Wenger 256, Lungleh 4,000 ft, flowers and fruit May; Gage 278, between Lungleh and Ridge Camp 3,000 ft.

1158. **Lipocarpha argentea** R. Br.
Parry 691, Thenzawl 4,000 ft., flowers and fruit April.

1159. **Mariscus cyperinus** Vahl
Wenger 258, gardens and waysides 3,000-4,000 ft., flowers June; Lorrain without number.

1160. **Pycreus pumilus** Domin
Wenger 278, gardens and paths 3,000-4,000 ft., flowers and fruit Aug.-Sept.

1161. **Pycreus stramineus** C. B. Clarke
Wenger 279, gardens and banks 3,000-4,000 ft., flowers and fruit Aug.-Sept.

1162. **Rhynchospora glauca** Vahl
Parry 693, Thenzawl 4,000 ft., flowers and fruit April.

1163. **Scirpus mucronatus** Linn.
Parry 696, Thenzawl 4,000 ft., flowers and fruit April.

1164. **Scleria cochinchinensis** Druce
Wenger 265, forest clearings and open spaces 3,000-4,000 ft., flowers and fruit July-Aug.
Do. do. var. elatior C. B. Clarke
Parry 692, Thenzawl 4,000 ft., flowers and fruit April; Lushai name *Thip*, Lakher name *Pathang*.

1165. **Scleria hebecarpa** Nees
Parry L.

1166. **Scleria sumatrensis** Retz.
Gage without number, between Ridge Camp and Lungsin 2,000-3,000 ft.

CXXX. Gramineæ.

1167. **Anthistiria gigantea** Cav.
Parry L.; Lushai name *Phai*, Lakher name *Phaphai*.

1168. **Arundinaria callosa** Munro
Parry 501, Chakang 5,000 ft., Lushai name *Phar*, Lakher name *Iphow*.

1169. **Arundinaria falcata** Nees
Parry 502, Chakang 5,000 ft., **Lushai name** *Lin*, **Lakher name** *Seuli*.

1170. **Bambusa longispiculata** Gamble
Wenger 266, on mountain sides in dense masses up to 2,500 f., flowers April ; **Lushai name** *Rawhthing*.

1171.* **Bambusa Tulda** Roxb.
Lushai name *Rothing*, **Lakher name** *Rosang* ; Wenger C8.

1172.* **Bambusa spinosa** Roxb.

1173. **Centotheca latifolia** Trin.
Wenger 284, 2,500 ft.

1174. **Cephalostachyum capitatum** Munro.
Parry* ; **Lushai name** *Rongal*, **Lakher name** *Rangia* ; Wenger 399, in forest 9 miles from Lungleh 6,000 ft., flowers Dec., climbing over trees and forming dense thickets.

1175. **Chrysopogon aciculatus** Trin.
Wenger 280, everywhere, flowering most of the year.

1176. **Coix Lachryma-Jobi** Lin. var. **puellarum**, A. Camus.
Parry 496, Zongling 4,000 ft., fruit Jan., fruit eaten ; **Lushai name** *Pingpih*, **Lakher name** *Sachipa*.

1177. **Cynodon Dactylon** Pers.
Wenger 253, 255, 4,000 ft. ; Lorrain without number ; **Lakher name** *Phaitnahlyu*.

1178. **Cyrtococcum accrescens** Stapf
Wenger 274, 3,000-4,000 ft. ; Lorrain without number.

1179. **Cyrtococcum oxyphyllum** Stapf
Wenger 275, 2,500 ft. ; Gage 133, 15 miles South East of Lungleh 3,000 ft.

1180. **Dendrocalamus Hookeri** Munro
Parry 1348 ; **Lushai name** *Ronal*, **Lakher name** *Rahniapa*.

1181. **Dendrocalamus sikkimensis** Gamble
Parry L. ; **Lushai name** *Roml*, **Lakher name** *Among*.

1182. **Digitaria marginata** Link
Wenger 276, 2,500-3,000 ft. ; Lorrain without number.

1183. **Digitaria Royleana** Prain
Wenger 254, 4,000 ft.

1184. **Eleusine indica** Gærtn.
Wenger 252, 4,000 ft.

1185. **Eragrostis unioloides** Nees
Wenger 261, 3,000-4,000 ft. ; Lorrain without number.

1186. **Erianthus longisetus** Anderss.
Parry 473, Tuipang 4,000 ft. Lushai name *Luang*, Lakher name *Langtei* ; Lorrain without number.

1187. **Garnotia stricta** Brogn.
Wenger 288, 3,000-4,000 ft.

1188. **Ichnanthus pallens** Munro
Wenger 285a, 2,000-4,000 ft.

1189. **Imperata cylindrica** Beauv.
Gage 208, between Ridge Camp and Lungsin 2,500 ft.

1190. **Melanocanna bambusioides** Trin.
Parry L., Lushai name *Mao*, Lakher name *Ramaw*. (Mautak).

1191. **Oplismenus compositus** Beauv.
Wenger 286, 2,000-3,000 ft. ; Lorrain 3, at all elevations ; Lakher name *Zychyubu*.

1192. **Ottochloa nodosa** Dandy.
Wenger 259, 3,000 ft.

1193. **Panicum sarmentosum** Roxb.
Gage 166, 15 miles South East of Lunglèh 3,000 ft.

1194. **Paspalidium flavidum** A. Camus.
Wenger 260, 3,000 ft.

1195. **Paspalum conjugatum** Berg.
Wenger 282, 3,000-4,000 ft.

1196. **Paspalum scrobiculatum** Lam. var. **Commersonii** Stapf.
Lorrain without number.

1197. **Pogonatherum crinitum** Thw.
Wenger 277, common everywhere ; Gage 280, between Ridge Camp and Lungsin 2,500 ft. ; Lorrain without number ; Lakher name *Awk*.

1198. **Polytoca Wallichianum** Benth.
Wenger 354, in open forest 3,000 ft.

1199. **Pseudechinolæna polystachya** Stapf
Wenger 285, 2,000-4,000 ft.

1200. **Setaria pallidifusca** Stapf et Hubbard
Parry 688, Thenzawl 4,000 ft.; Wenger 264, 3,000-4,000 ft.

1201. **Setaria palmifolia** Stapf
Gage 279, between Lungleh and Ridge Camp 3,000 ft.

1202. **Sorghum cernuum** Host.
Parry 116, Sherkor 4,000 ft., fruit Feb.; **Lushai name** *Chawchhi*, **Lakher name** *Chhihri*.

1203. **Sporobolus indicus** R. Br.
Wenger 287, 3,500-4,000 ft.

1204. **Thysanolæna agrostis** Nees
Gage 281, 15 miles South East of Lungleh 3,000 ft.; **Lushai name** *Hmunphiah*, **Lakher name** *Angphi*.

1205. **Thysanolæna maxima** O. Ktze.
Lorrain without number, used for brooms; **Lakher name** *Ophi*.

CRYPTOGAMIA.

Lycopodiales.

CXXXI. Lycopodiaceæ.

1206. **Lycopodium cernuum** Linn.
Parry 690, **Lushai name** *Kangrem*; Wenger without number.

1207. **Lycopodium clavatum** Linn.
Parry 524, Lianchhung 4,700 ft., spores Jan.; **Lushai name** *Thingribuk*.

1208. **Lycopodium Hamiltonii** Spreng.
Parry 131, Phongpui 6,000 ft., spores Feb.

1209. **Lycopodium Phlegmaria** Linn.
Parry 303, Ramlaitui 3,000 ft., spores Aug.; Wenger 312, on trees in dense forest 2,000 ft.

1210. **Lycopodium setaceum** Ham.
Parry 128, Phongpui 6,000 ft., spores Feb. ; Gage without number, Lungleh 3,000 ft.

CXXXII. Selaginellaceæ.

1211. **Selaginella biformis** R. Br.
Wenger 310, creeping on banks in moderate shade 3,000 ft.

1212. **Selaginella caulescens** Spreng.
Gage without number, between Ridge Camp and Lungsin 2,000 ft ; Wenger 113, 114.

1213. **Selaginella decipiens** Warb.
Wenger 311, creeping on banks in shade 3,500 ft.

1214. **Selaginella flabellata** Spreng.
Parry 364, Seilur 4,000 ft., spores Nov.

1215. **Selaginella pruniflora** Baker
Wenger without number.

1216. **Selaginella Wallichii** Spreng
Gage without number, between Ridge Camp and Lungsin.

Filicales

CXXXIII. Hymenophyllaceæ.

1217. **Hymenophyllum australe** Willd.
Wenger 133, 134, on tree trunks 4,500-5,000 ft., spores Aug.

1218. **Hymenophyllum exertum** Wall.
Wenger 139, large form, on tree trunks 4,500-5,000 ft. spores Aug. ; Wenger 141, broad form, on tree trunks 5,000 ft.

1219. **Hymenophyllum microsorum** v. d. B.
Wenger 136, 138, 140, on tree trunks 4,000-5,000 ft., spores Aug.

1220. **Trichomanes auriculatum** Bl.
Wenger 47, 132, in deep shade 4,500-5,000 ft.

1221. **Trichomanes latealatum** C. Chr.
Wenger 137.

CXXXIV. Cyatheaceæ.

1222. **Alsophila Oldhamii** Bedd.
Wenger 163, in shady gullies 4,000 ft., up to 4 ft. tall.

CXXXV Polypodiaceæ.

1223. **Adiantum Capillus-Veneris** Linn.
Wenger 13.

1224. **Adiantum caudatum** Linn
Wenger 130, 170.

1225. **Adiantum Edgeworthii** Hook.
Parry 363, Seilur 4,000 ft., spores Nov.

1226. **Adiantum flabellatum** Linn.
Wenger 11.

1227. **Adiantum lunulatum** N. L Burm.
Wenger 12, 14, 168 ; Lorrain without number.

1228. **Aglaomorphe coronans** Copel.
Wenger 83, on tree trunks 3,000-4,500 ft., spores July.

1229. **Asplenium cheilosorum** O. Ktze.
Wenger 129, on banks, 4000 ft.

1230. **Asplenium crinicaulo** Hance
Wenger 187, on tree trunks and rocks 3,000 ft., spores Aug.

1231. **Asplenium crinicauloides** Ching
Wenger 188, on tree trunks 3,000 ft.

1232. **Asplenium nidus** Linn.
Wenger 144, 3,000 ft.

1233. **Asplenium nitidum** Sw.
Parry 549, Siata 4,000 ft., spores Jan. ; Wenger 186, on tree trunks 1,900 ft.

1234. **Asplenium planicaule** Wall.
Wenger 24, 25, 189, on tree trunks 3,000-3,500 ft.

1235. **Asplenium Rockii** C. Chr.
Wenger 26, on tree trunks and banks 4,000 ft.

1236. **Asplenium tenuifolium** Don
Parry 312, Lente 4,000 ft., spores Aug. ; **Lushai name** *Kangrem.*

1237. **Asplenium unilaterale** Lam.
Wenger 16, 166, 185, on damp rocks and shady banks 2,000-3,000 ft.

1238. **Athyrium bellum** C. B. Clarke
Wenger 194, in shady forest 3,500 ft.

1239. **Athyrium drepanopterum** A. Br.
Wenger 191, in shady forest 1,500 ft.
Do. do A. Br. var. **kulhaitense** A. Br.
Wenger 192, 196, in shady forest 1,500 ft.

1240. **Athyrium falcatum** Bedd.
Wenger 20, 190.

1241. **Athyrium macrocarpum** Bedd.
Wenger 193.

1242. **Athyrium spectabile** Presl.
Gage without number, Lungleh 3,000 ft.

1243. **Blechnum orientale** Linn.
Wenger 19, 95, 3,000 ft. ; Parry* ; **Lushai name** *Vomban.*

1244. **Bolbitis contaminans** Ching
Wenger 100, on rocks 3,000-4,000 ft. ; Wenger 143, on banks in shade 4,000 ft.

1245. **Bolbitis heteroclita** Ching
Wenger 91, on wet rocks in shade 2,500-4,500 ft , spores July.

1246. **Bolbitis virens** Schott
Gage without number, Lungleh 3,000 ft.

1247*. **Cheilanthes albomarginata** C. B. Clarke

1248. **Cheilanthes Belangeri** C. Chr.
Wenger 152, common on sunny banks 1,000-1,500 ft.

1249. **Cheilanthes farinosa** Kaulf.
Wenger 61, 105, 106 ; Lorrain without number.

1250. **Cheilanthes tenuifolia** Sw.
Wenger 153.

1251. **Coniogramme fraxinea** Diels
Wenger 93, in forest 3,500 ft.

1252. **Davallia bullata** Wall.
Wenger 57, on tree trunks, spores July.

1253. **Davallodes membranulosum** Copel.
Wenger 66, 67, on tree trunks 3,500 ft., spores July.

1254. **Diacalpe aspidioides** Bl.
Wenger without number, in forest clearings 5,000 ft., spores Aug.

1255. **Didymochlæna truncatula** J. Sm.
Gage without number, Lungleh 3,000 ft.; Wenger 23, in shady forest 3,500-5,000 ft., spores June; Lushai name *Katchat*.

1256. **Diplazium bantamense** Bl.
Gage without number, 15 miles South East of Lungleh 3,000 ft., Wenger 131, in shady forest 4,000 ft.

1257. **Diplazium esculentum** Sw.
Parry 689, Thenzawl 4,000 ft.

1258. **Diplazium Finlaysonianum** Ching
Wenger 313, 392, on damp rocks in forest 2,000-2,500 ft.; Wenger 443, on damp rocks and banks near Lungleh 1,500 ft.

1259. **Diplazium Griffithii** Moore
Wenger 37, in forest 3,000 ft, spores July; Lushai name *Katchat*.

1260. **Diplazium lanceum** Presl.
Wenger 156, in moist shady forest 1,000 ft.

1261. **Diplazium leptophyllum** C. Chr.
Wenger 21, in forest 3,500 ft., spores June.

1262. **Diplazium Petersenii** O. Ktze.
Wenger 164, on shaded banks 4,000 ft.

1263. **Diplazium sylvaticum** Sw.
Gage without number, 15 miles South East of Lungleh 3,000 ft.

1264. **Dipteris Wallichii** T. Moore
Wenger 108, on banks 2,500 ft., spores July ; **Lushai name** *Arthladawnpui*.

1265. **Doryopteris ludens** J. Sm.
Wenger 128, on banks and rocks 1,000-3,000 ft., spores Aug.

1266. **Drynaria propinqua** Wall.
Wenger 6, on tree trunks 3,500-4,500 ft., spores July

1267. **Dryopteris arida** O. Ktze.
Parry 614, Chekawn 3,000 ft., spores Feb.

1268. **Dryopteris calcarata** O. Ktze, var. **falciloba** Hook.
Wenger 30, in forest 3,000 ft., spores June.

1269. **Dryopteris ciliata** C. Chr.
Wenger 165, on banks 1,500 ft., spores Sept.

1270. **Dryopteris cochleata** C. Chr.
Parry 509, Vombuk 5,000 ft., spores Jan. ; **Lushai name** *Katchat*. Wenger 10, in rocky spots in forest 3,500-4,500 ft., spores June ; Wenger 393, among grasses and undergrowth 3,500 ft., spores Nov.

1271. **Dryopteris cylindothrix** Ros.
Wenger 40, 81, 182.

1272 **Dryopteris glanduligera** C. Chr.
Wenger 181, on shaded banks 3,000 ft., spores Aug.

1273. **Dryopteris khasiana** C. Chr.
Wenger 68, in clearings 3,500 ft., spores June.

1274. **Dryopteris moulmeinensis** C. Chr.
Wenger 42, in forest 3,500 ft., spores July.

1275. **Dryopteris ornata** C. Chr.
Wenger 33, 34, in forest and open clearings 3,500-4,500 ft. ; **Lushai name** *Katchat*.

1276. **Dryopteris parasitica** O. Ktze.
Gage without number, Lungleh, 3,000 ft. ; Wenger 31, 39, 48, in forest 3,000 ft., spores June.

Dryopteris parasitica O. Ktze. var.
Wenger 38, in forest 3,500 ft., spores July.

1277. **Dryopteris sparsa** O. Ktze.
Wenger 49, on banks 3,500 ft., spores July.

1278. **Dryopteris subpubescens** C. Chr.
Wenger 180, in shady forest 3.000 ft , spores Aug.

1279. **Dryopteris urophylla** C. Chr.
Gage without number, 15 miles South East of Lungleh 3,000 ft. ; Wenger 112, in forest 3,500 ft.

1280. **Dryopteris xylodes** C. Chr. var.
Wenger 85.

1281. **Dryopteris** sp. prox. D. **subelata** C. Chr. et D. **valida** C. Chr.
Wenger 41, in open forest 3,500 ft.

1282. **Egenolfia appendiculata** J. Sm.
Parry 504, Vombuk 5,000 ft., spores Jan. ; Parry 603, Chhualung 4,000 ft.; Wenger 101, on rocks 3,000-5,000ft.
Do. **do.** var. **costulata** Hook.
Wenger 159, in shady forest 4,000 ft., spores Sept.
Do. **do.** var. **subintegra** Bedd.
Wenger 110, on wet rocks 3,000 ft.

1283. **Egenolfia Helferiana** C. Chr.
Wenger 160.

1284. **Humata repens** Diels
Wenger 50.

1285. **Hypolepis punctata** Mett.
Wenger 32, in forest clearings 3,500-5,000 ft., spores June.

1286. **Leptochilus minutulus** Fee.
Wenger 151, on rocks in stream bed 3,500ft., spores Sept.

1287. **Leucostegia dareformis** Bedd.
Wenger 122, 124, on tree trunks 4,500-5,000 ft., spores Aug.

1288. **Leucostegia immersa** Presl.
Wenger 56, on tree trunks and rocks 3,500-4,500 ft., spores July ; Lorrain without number.

1289. **Leucostegia multidentata** Bedd.
Wenger 172, on tree trunks 2,500 ft.

1290. **Leucostegia pulchra** J. Sm.
Parry 308, 313, Leite 4,000 ft , spores Aug. ; Wenger 55, 59, on tree trunks 3,500 ft.

1291. **Lindsaya cultrata** Sw.
Wenger 167, on shady banks 2,500 ft., spores Sept.

1292. **Lindsaya orbiculata** Mett. **sensulata.**
Wenger 15, 169, on shaded rocks and banks 2,500-3,000 ft., spores July-Sept.

1293. **Loxogramme salicifolia** Mak.
Wenger 75, on tree trunks 3,500 ft., spores July.

1294. **Microlepia Kurzii** Bedd.
Wenger 53, 54, in forest 3,500 ft., spores July.

1295. **Microlepia speluncæ** T. Moore
Wenger 27, 28, 35, 36, 79, 80, 82, in forest and clearings 3,500-4,500 ft., spores July.

1296. **Microlepia strigosa** Presl.
Parry 547, Siata 4,090 ft., spores Jan.; **Lushai name** *Katchat*; Gage without number, Lungleh 3,000 ft.; Wenger 46, in forest 3,500 ft.

1297. **Nephrolepis cordifolia** Presl.
Parry 378, N. Vanlaiphai 5,000 ft, spores Nov.; Wenger 147, on rocks 3,500 ft., spores Aug.

1298. **Nephrolepis cordifolia** Presl. var. **delicatula** Hook.
Wenger 184, on tree trunks 3,000 ft.

1299.* **Onychium japonicum** O. Ktze.

1300. **Onychium siliculosum** C. Chr.
Parry 458, Zongling 4,000 ft., spores Jan.; **Lushai names** *Kangrem, Samairia*; Gage without number, Lungleh 3,000 ft.; Wenger 107, in sunny spots 2,000-5,000 ft., spores July.

1301. **Polypodium argutum** Wall
Wenger 116, on tree trunks.

1302. **Polypodium Beddomei** Baker
Wenger 171, on tree trunks and rocks 2,500 ft.

1303. **Polypodium erythrocarpum** Mett.
Wenger 8, on tree trunks 3,000-4,000 ft.

1304. **Polypodium excavatum** Bory
Parry 310, Ramlaitui 3,000 ft., spores Aug.

1305. **Polypodium hemionitidum** Wall.
Gage without number, Lungleh 3,000 ft.

1306. **Polypodium himalayense** Hook.
Parry 610, Chekawn 3,000 ft., spores Feb.

1307. **Polypodium hymenodes** O. Ktze.
Wenger 119, on tree trunks 4,000 ft , spores Aug.

1308. **Polypodium lachnopus** Wall.
Parry 314, Leite 4,000 ft , spores Aug. ; Wenger 5, on tree trunks 4,000 ft., spores July.

1309. **Polypodium lucidum** Roxb.
Parry 307, Leite 4,000 ft., spores Aug. ; Wenger 338, on tree trunks in shady places 3,000 ft., spores Sept

1310. **Polypodium manmeiense** C. Chr.
Wenger 4, 114.

1311. **Polypodium membranaceum** Don.
Wenger 86, 96, 97, 98, on tree trunks and rocks 3,000-5,000 ft., spores June-July.

1312 **Polypodium normale** Don
Gage without number, 15 miles South East of Lungleh 3,000 ft.

1313. **Polypodium nudum** O. Ktze.
Wenger 71, 72, 146, on tree trunks and rocks 3,500 ft.

1314. **Polypodium oosphærum** C. Chr.
Wenger 76 ; forma lobulosa Wenger 175.

1315. **Polypodium oxylobum** Wall.
Wenger 9, on tree trunks 3,000-4,000 ft , spores June.

1316. **Polypodium pteropus** Bl.
Wenger 88, on rocks in stream 3,000 ft., Wenger 157, 158 on moist, shaded rocks 1,000-1,500 ft., spores Sept.

1317. **Polypodium rhynchophyllum** Hook.
Wenger 120, on tree trunks 4,500 ft., spores Aug.

1318. **Polypodium subauriculatum** Bl.
Wenger 7, on tree trunks 3,000-4,000 ft., spores July.

1319. **Polystichum aculeatum** Roth
Wenger 125, on banks in forest clearings 5,000 ft., spores Aug.

1320. **Polystichum amabile** J. Sm.
Parry 545, Siata 4,000 ft., spores Aug.

1321. **Polystichum aristatum** Presl.
Parry 611, Chekawn 3,000 ft. ; **Lushai name** *Katchat*.

1322. **Polystichum biaristatum** Moore
Wenger 43, 44, 45, 46, 161, in forest 3,500-4,000 ft., spores June-Sept. ; **Lakher name** *Katchat*.

1323. **Polystichum himalayense** Ching
Wenger 163a, in shady gullies 4,000 ft., spores Sept.

1324. **Polystichum lentum** Moore
Wenger 51, 52 on banks in forest 3,000-4,000 ft. spores Jan. ; Lorrain without number.

1325. **Pteridium aquilinum** Kuhn
Parry 366, N. Vanlaiphai 5,000 ft , spores Nov. ; **Lushai name** *Katchat*.

1326. **Pteris biaurita** Linn.
Parry 628, Aijal 3,000 ft., spores Feb. ; **Lushai name** *Katchat* ; Wenger 18, 63, 64, 65, 92, in forest 3,000-3,500 ft., spores July

1327. **Pteris ensiformis** N. L Burm.
Wenger 201, in forest 100-500 ft , spores Sept.

1328. **Pteris pellucida** Presl.
Wenger 202.

1329. **Pteris quadriaurita** Retz.
Wenger 62, 173, in forest 3,500 ft ; **Lushai name** *Katchat*.

1330. **Pteris semipinnata** Linn.
Wenger 127, in bamboo forest 3,000 ft. ; Wenger 154, on hill sides 2,500 ft.

1331. **Pteris subquinata Wall** ex Hope
Parry 612, Chekawn 3,000 ft., spores Feb. ; **Lushai name** *Katchat*.

1332. **Pteris vitta** Linn.
Parry 587, Darzo 5,000 ft,, spores Jan. ; **Lushai name** *Katchat* ; Wenger 200, on sunny banks 2,000 ft., spores Sept. ; Wenger 336a, among boulders on slopes not usually shaded 1,000 ft., spores Aug. ; forma cristata Wenger 336.

1333. **Pteris Wallichiana** Agh.
Wenger 204, in forest 4,000 ft.

1334. **Pyrrhosia adnascens** Ching
Wenger 176, on tree trunks 4,000 ft.

1335. **Pyrrhosia Beddomeana** Ching.
Wenger 69, on tree trunks 3,500 ft., spores June.

1336. **Pyrrhosia flocculosa** Ching
Wenger 70, on tree trunks and rocks 3,500-4,000 ft.

1337. **Pyrrhosia heteractis** Ching
Gage without number, Helio Hill, Lungleh 3,700 ft.

1338. **Pyrrhosia lævis** Ching
Wenger 73, on rocks 3,000 ft., spores July.

1339. **Pyrrhosia nuda** Ching
Wenger 178, 179, on tree trunks and rocks 3,000 ft., spores Aug.

1340. **Pyrrhosia nummularifolia** Ching
Wenger 177, on tree trunks and rocks 1,500-4,000 ft.

1341. **Pyrrhosia mollis** Ching
Wenger 74, 145, on tree trunks 3,500 ft,, spores July.

1342. **Schizoloma ensifolium** J. Sm.
Wenger 17, on banks 2,000-4,000 ft. spores July.

1343. **Stenochlæna palustris** Bedd.
Wenger 174, on tree trunks 2,000 ft.

1344. **Stenoloma chinensis** Bedd.
Wenger 58, on banks in shade 3,000 ft., spores July.

1345. **Teetaria chattagramica** Ching
Wenger 197, in forest 3,000 ft.

1346. **Tectaria macrodonta** C. Chr.
Parry 537, Phongpui 5,000 ft., spores Jan.; **Lushai name** *Katchat*; wenger 109.

1347. **Tectaria polymorpha** Copel.
Wenger 84,99 in forest 3,000 ft., spores July.

1348. **Tectaria variolosa** C. Chr.
Wenger 335, in forest 3,000 ft., spores Aug.

1349. **Teetaria vasta** Copel.
Gage without number, between Lungleh and Tuichong 2,000-3,000 ft.; Wenger 87, 90, 155, in forest 3,000 ft.

1350. **Vittaria elongata** Sw.
Wenger 337, on tree trunks in shady places 3,500 ft., spores Sept.

1351. **Vittaria flexuosa** Fée
Wenger 199, on tree trunks 5,000 ft., spores Sept.

CXXXVI. Gleicheniaceæ.

1352. **Gleichenia linearis** C. B. Clarke
Parry 365, N. Vanlaiphai 5,000 ft., spores Dec.; **Lushai name** *Arthladawn*; Wenger 111, in clearings in forest, 3,000-4,000 ft.

CXXXVII. Schizæaceæ.

1353. **Lygodium flexuosum** Sw.
Gage without number, Lungleh 3,000 ft.; Wenger 77.
Do. do, var. **altum** C. B. Clarke
Parry 380, Chhinchip 4,000 ft.; **Lushai name** *Dawnzimpui*.

1354. **Lygodium japonicum** Sw.
Parry 311, Aijal 4,000 ft, spores Aug.; Wenger 78, 2,000-4,000 ft.

1355. **Lygodium polystachyum** Wall.
Parry 309, Keitumkawn 2,000 ft., spores Aug.

CXXXVIII. Marattiaceæ.

1356. **Angiopteris evecta** Hoffm.
Gage without number. Lungleh 3,000 ft.

CXXXIX. Ophioglossaceæ.

1357. **Botrychium lanuginosum** Wall.
Wenger 162, on tree trunks 2,500-4,000 ft.

1358. **Botrychium virginianum** Sw.
Wenger 142, on tree trunks 4,000 ft.

1359. **Ophioglossum vulgatum** Linn.
Wenger without number.

Musci

CXL. Hypopterygiaceæ.

1360. **Cyathophorum Adiantum** Mitt.
Wenger without number.